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NTISUB/C/138-001

LANDSAT

U.S. STANDARD CATALOG

JANUARY 1, 1977

THROUGH

JANUARY 31, 1977

GSFC/LU-C/001

GODDARD SPACE FLIGHT CENTER

GREENBELT, MARYLAND

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



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INTRODUCTION

To provide dissemination of information regarding the availability of Landsat imagery, the Image Processing Facility (IPF), located at the Goddard Space Flight Center, publishes a U. S. and Non-U. S. Standard Catalog on a monthly schedule. These catalogs identify imagery which has been processed and input to the data files during the referenced month. The U. S. Standard Catalog includes imagery covering the continental United States, Alaska and Hawaii; the Non-U. S. Catalog identifies all the remaining coverage. Imagery adjacent to the continental U. S. and Alaska borders will normally appear in the U. S. Standard Catalog. As a supplement to these catalogs, the Landsat imagery of one spectral band is available on 16mm microfilm.

In addition to the routine monthly catalogs, the IPF annually publishes a cumulative U. S. and Non-U. S. Standard Catalog for each satellite, covering a year based on the launch date for that satellite. These catalogs include information on all observations acquired and processed by the facility during that year.

Film products for imagery listed in this catalog are available at a nominal price from all three agencies listed below. In addition, the 16mm microfilm can be purchased from the U. S. Department of the Interior (USDI) EROS Data Center and National Oceanic and Atmospheric Administration (NOAA). Digital tapes can be purchased only from the USDI EROS Data Center.

U. S. Department of Agriculture

**Aerial Photography Field Office
2505 Parley's Way
Salt Lake City, Utah 84109**

U. S. Department of Commerce National Oceanic and Atmospheric Administration

**Environment Data Service
Satellite Data Service Branch
D543
World Weather Building
Room 606
Washington, D. C. 20233**

U. S. Department of the Interior Geological Survey

**User Services Unit
EROS Data Center
Sioux Falls, South Dakota 57198**

INDEX

SECTION 1 DESCRIPTION OF STANDARD CATALOG

SECTION 2 DESCRIPTION OF MICROFILM

SECTION 3 CYCLE CHARTS

SECTION 4 LANDSAT 1 COVERAGE

Coverage Maps

Observation ID Listing

Contiguous U. S.

Alaska

Hawaii

Coordinate Listing

Contiguous U. S.

Alaska

Hawaii

SECTION 5 LANDSAT 2 COVERAGE

Coverage Maps

Observation ID Listing

Contiguous U. S.

Alaska

Hawaii

Coordinate Listing

Contiguous U. S.

Alaska

Hawaii

APPENDIX

SECTION 1 — STANDARD CATALOG

1.1 MONTHLY CATALOGS

The coverage sections contained in the monthly U.S. and Non-U.S. Standard Catalogs are divided into three parts. Part 1 (see Para. 1.1, A) consists of annotated maps which graphically depict the geographic areas covered by imagery listed in the current catalog. Part 2 (see Para. 1.1, B) contains a computer generated listing organized by observation identification number (ID) and includes pertinent information about each image. Part 3 (see Para. 1.1, C) provides a computer listing of observations organized by longitude/latitude.

A. Satellite Coverage Maps. These maps are segregated by cycle and depict the general location of observations listed in the catalog. The format and data content of these maps are slightly different in the U.S. and Non-U.S. catalogs.

1. **U.S. Satellite Coverage Maps.** Two separate map formats are presented in this catalog. One map outlines the continental U.S. and depicts the estimated cloud cover along each north to south subsatellite path. Each path is identified by actual orbit number and a cross reference, which matches the orbit number to the initial observation ID for that path. The second map provides an enlarged view of Alaska and Hawaii and displays the portion of an orbital pass for which coverage is available. This map does not include cloud cover estimates or orbit numbers.
2. **Non-U.S. Satellite Coverage Map.** A world outline map is provided with the portions of an orbital swath for which observations are available graphically displayed. This map is intended solely to inform the user as to whether or not coverage is included in the catalog for his area of interest. It is not intended as a rapid reference to specific observations.

B. Observation Identification Number (ID) Listing. The data format for the observation ID listing is identical in the U.S. and Non-U.S. Catalogs. Observation ID numbers are listed in a sequential manner from smallest number to largest. Associated with each ID number in the list is pertinent information about that observation. A sample catalog page with a description of each data item is shown in Figure 1-1.

1. Sample Observation ID Format. See Figure 1-1.

① 20 53 APR 04 75

② FROM 02-01-75 TO 02-28-75

① OBSERVATION ID	③ MICROFILM ROLL NO POSITION IN ROLL RBV MSS	④ DATE ACQUIRED	⑤ CLOUD COVER	⑥ ORBIT NUMBER	⑦ PRINCIPAL POINT OF IMAGE LAT LONG	⑧ SUN ELEV	⑨ SUN AZIM	⑩ IMAGE QUALITY RBV MSS
1963-16361	00000-0000 1-10034-0565	02-21-75	100	3149	4728N 09815W	25.3	144.8	GGG
1963-16363	00000-0000 1-10034-0566	02-21-75	100	3149	4603N 09849W	26.3	143.9	GGG
1963-16390	00000-0000 1-10034-0567	02-21-75	100	3149	4438N 09923W	27.2	143.0	GGG
1963-16392	00000-0000 1-10034-0568	02-21-75	70	3149	4313N 09955W	28.2	142.1	GGG
1963-16395	00000-0000 1-10034-0569	02-21-75	40	3149	4147N 10026W	29.1	141.2	GGG
1964-16432	00000-0000 1-10034-0606	02-22-75	40	3163	4854N 09903W	24.7	145.5	GGG
1964-16435	00000-0000 1-10034-0607	02-22-75	90	3163	4730N 09939W	25.6	144.6	GGG
1964-16441	00000-0000 1-10034-0608	02-22-75	30	3163	4605N 10014W	26.6	143.8	GGG

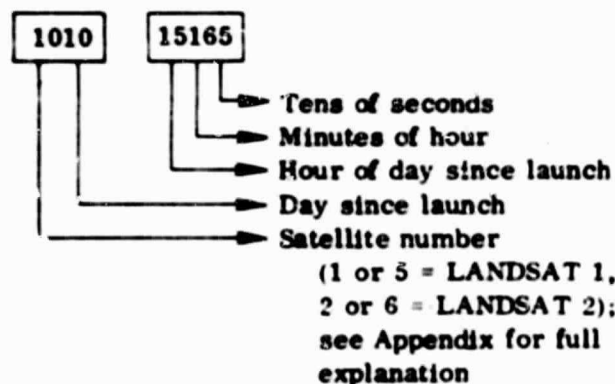
③ KEY
CLOUD COVER
00 TO 100 = % OF CLOUD COVER
000 NO CLOUD DATA AVAILABLE

IMAGE QUALITY
0 BLANK - BAND NOT PRESENT REQUESTED
G - GOOD F - FAIR

Figure 1-1. Observation ID Listing for Standard Catalog

2. Description of Data Items

- ① Date of catalog listing
- ② Period during which imagery was processed
- ③ Data quality
- ④ Observation ID



- ⑤ RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- ⑥ Date of observation
- ⑦ Estimated percent of cloud cover
- ⑧ Orbit number
- ⑨ Latitude and longitude at observation center (degrees and minutes)
- ⑩ Sun elevation and azimuth at observation center
- ⑪ Image quality; see key

1.2 CUMULATIVE STANDARD CATALOGS

Annually, a cumulative catalog is produced which includes information covering all observations and coordinates acquired and processed by the IPF during that year.

A. Observation ID Listing.

1. Sample Observation ID Format. See Figure 1-1.
2. Description of Data Items. See Paragraph 1.1, B, 2.

B. Coordinate ID Listing. The coordinate ID listing format is expanded to identify observations for which color or digital products have been made.

1. Sample Coordinate ID Format. See Figure 1-3.

⑨		① 15 36 MAR 11, '74	⑤		⑥	⑦	② FROM 07/23/72 TO 07/23/74		⑩	⑪	⑫				
PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV	SUN AZIM	IMAGE QUALITY RBV 123	Y/SS 45678	PRODUCTS B P P B P C C D D			
LONG	LAT		RBV	MSS											
07607W	3734N	1295-15144	00000/0000	10010/1659	05/14/73	20	4112	60.2	122.0		GGGG				M
07607W	3731N	1259-15150	00000/0000	10010/0088	04/08/73	90	3610	50.7	133.2		GGGG				M
07607W	3731N	1313-15143	00000/0000	10011/0920	06/01/73	80	4363	62.3	116.2		GGGG				M
07608W	4438N	1027-15231	00000/0000	1-10001/1498	08/19/72	0	375	50.9	136.9		GGGG	M			M
07608W	3731N	1331-15142	00000/0000	1-10011/1589	06/19/73	100	4614	62.4	112.8		GGGG				M
07608W	3724N	1349-15141	00000/0000	1-10012/1387	07/07/73	10	4865	61.2	112.9		PGPP	M			M
07609W	4851N	1352-15275	00000/0000	1-10012/1622	07/10/73	60	4907	56.7	133.9		G				
07609W	3144N	1006-15093	1-10001/0377	1-10001/0378	07/29/72	100	82	59.7	108.3	GGG	PPGG				

③ KEY

CLOUD COVER
● 0 TO 100 = % OF CLOUD COVER

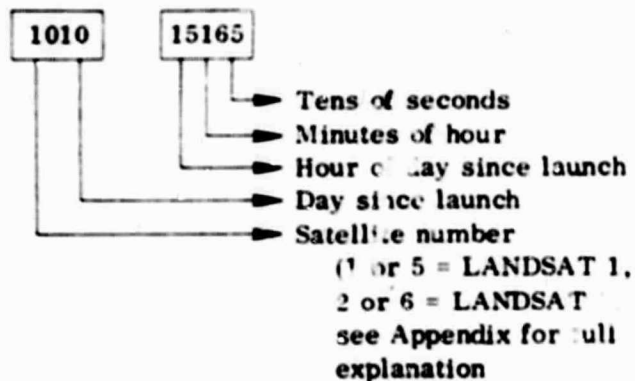
IMAGE QUALITY
● BLANK = BAND NOT PRESENT/REQUESTED
● G = GOOD P = POOR F = FAIR

PRODUCTS ALREADY MADE
● R = MADE FROM RBV M = MADE FROM MSS
B = MADE FROM RBV AND MSS

Figure 1-3. Coordinate Listing for Cumulative Standard Catalog

2. Description of Data Items

- ① Date of catalog listing
- ② Period during which imagery was processed
- ③ Data quality
- ④ Observation ID



- ⑤ RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- ⑥ Date of observation
- ⑦ Estimated percent of cloud cover
- ⑧ Orbit number
- ⑨ Latitude and longitude at observation center (degrees and minutes)
- ⑩ Sun elevation and azimuth at observation center
- ⑪ Image quality; see key
- ⑫ Image/data product availability; see key

SECTION 2 - MICROFILM

2.1 GENERAL

The Image Processing Facility produces a 16 mm microfilm inventory of imagery processed during the referenced month and is organized for convenient use with the Standard Catalog.

As in the case of the Standard Catalog, the microfilm data is divided into U.S. and Non-U.S. segments. Each set of microfilm images is in exact correspondence to a Standard Catalog and can be used in conjunction with the catalog for selecting desired images. A maximum of 1900 images will be contained on one roll of 16 mm x 100 ft microfilm. Because the microfilm images are intended to provide only a summary of the data available, the images are limited to one band each for the RBV and MSS. Although a single observation will produce seven images, in the production of microfilm only the RBV Spectral Band 2 images (0.550 - 0.650 microns) and MSS Spectral Band 2 images (0.6 - 0.7 microns) are reproduced. Each image is a photograph of a 70 mm (-2) image and contains the image identifier and annotation block. See Figure 2-1.

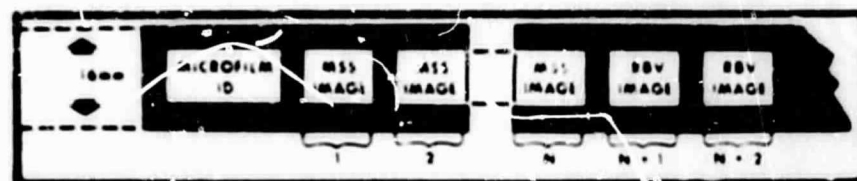


Figure 2-1. Microfilm Format

Microfilm roll numbers contain six digits. The first digit designates the satellite number (blank or 1 - LANDSAT 1, 2 - LANDSAT 2). Example: Roll number 10032 and roll number 1-10034 are both LANDSAT 1 rolls. Roll 2-10032 is a LANDSAT 2 roll. The second digit will be a 1 (for U.S. rolls) or a 2 (for Non-U.S. rolls). The remaining digits are used to number sequentially all microfilm rolls prepared within each group. Example: Roll number 15001 is the first U.S. roll of microfilm produced for LANDSAT 1. Roll number 20004 is the fourth Non-U.S. roll to be produced for LANDSAT 1. The first U.S. roll of microfilm for LANDSAT 2 is number 2-10061.

The microfilm contains two rapid search capabilities to help the user quickly reach the desired scene. They are:

- Code Line Indexing
- Blip Encoding

4.2 CODE LINE INDEXING

The Landsat microfilm images have been annotated with visual code lines to the right of each frame. The visual code lines graduate up the edge of the screen as the film advances and allow the user to advance rapidly to within 20 frames of his desired image. See Figure 2-2.

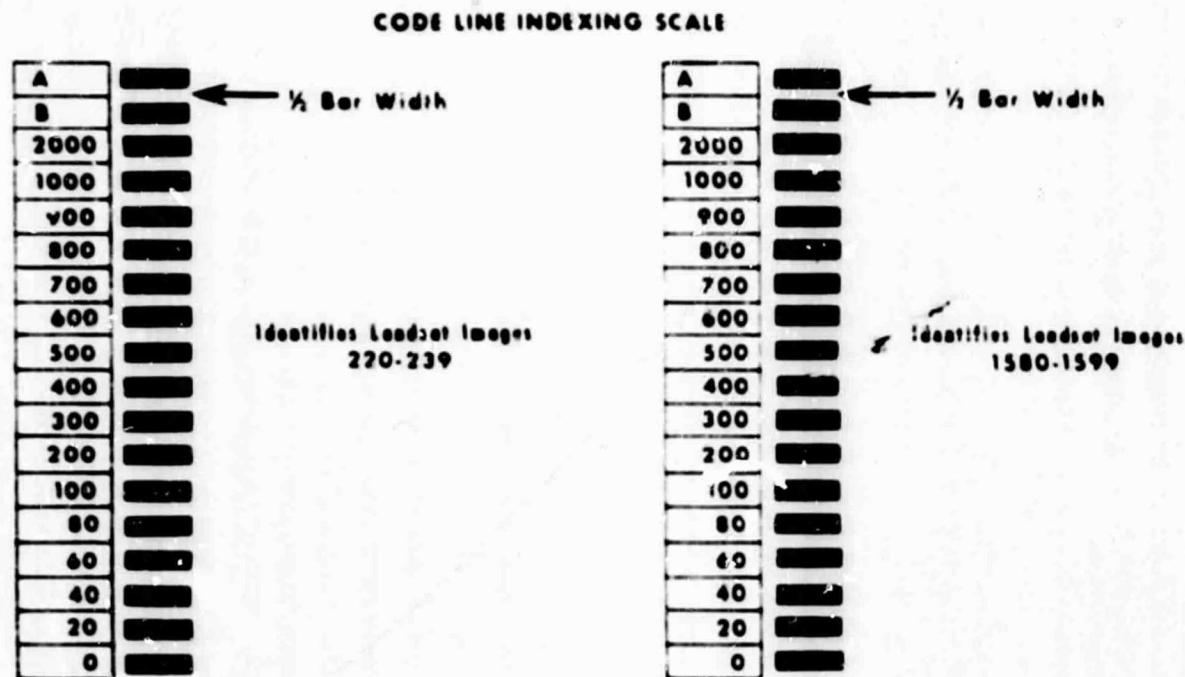


Figure 2-2. Code Line Indexing Scale

To utilize this system, a user must generate a code line indexing bar scale to attach to the face of his viewers. The size and spacing for the bar scale is dependent upon the magnification of his viewer. Landsat imagery is microfilmed at a reduction ratio of 5.5x. To determine the overall length of a scale required for your microfilm reader, multiply 7.4 mm by the enlargement factor of your lens. To determine the bar widths along the bar scale, multiply 0.24 mm by the same factor. A space between each bar should exist that is 1/2 the bar width.

2.3 BLIP ENCODING

The LANDSAT microfilm images have also been annotated with a blip (black spot) at the base of each frame. This type of encoding is designed for use on readers with an electronic sensing and counting capability or an odometer. To use the blip encoding retrieval system, the film will have to be placed in a cartridge. When the cartridge is placed in a reader which contains an odometer or has a keyboard attached, the identification of the desired image is obtained from the Standard Catalog (column 6, Microfilm Position) and either punched on the keyboard or read via the odometer as the film advances. Using a reader configured for rapid search and retrieval, the film advances and the frames (blips) are counted by means of a photosensing light. When the appropriate number has been counted, the reader stops and the desired image is projected on the screen. Using a reader with an odometer requires the user to monitor the odometer as the film advances and stop the advance of the film in the vicinity of the required frame.

SECTION 3 - CYCLE CHARTS
SECTION 3.1 - LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 8 days	1	8	24 Jul 72	31 Jul 72	16	279	296	28 Apr 73	15 May 73
1	9	26	1 Aug 72	18 Aug 72	17	297	314	16 May 73	2 Jun 73
2	27	44	19 Aug 72	5 Sep 72	18	315	332	3 Jun 73	20 Jun 73
3	45	62	6 Sep 72	23 Sep 72	19	333	350	21 Jun 73	8 Jul 73
4	63	80	24 Sep 72	11 Oct 72	20	351	368	9 Jul 73	26 Jul 73
5	81	98	12 Oct 72	29 Oct 72	21	369	386	27 Jul 73	13 Aug 73
6	99	116	30 Oct 72	16 Nov 72	22	387	404	14 Aug 73	31 Aug 73
7	117	134	17 Nov 72	4 Dec 72	23	405	422	1 Sep 73	18 Sep 73
8	135	152	5 Dec 72	22 Dec 72	24	423	440	19 Sep 73	6 Oct 73
9	153	170	23 Dec 72	9 Jan 73	25	441	458	7 Oct 73	24 Oct 73
10	171	188	10 Jan 73	27 Jan 73	26	459	476	23 Oct 73	11 Nov 73
11	189	206	28 Jan 73	14 Feb 73	27	477	494	12 Nov 73	29 Nov 73
12	207	224	15 Feb 73	4 Mar 73	28	495	512	30 Nov 73	17 Dec 73
13	225	242	5 Mar 73	22 Mar 73	29	513	530	18 Dec 73	4 Jan 74
14	243	260	23 Mar 73	9 Apr 73	30	531	548	5 Jan 74	22 Jan 74
15	261	278	10 Apr 73	27 Apr 73	31	549	566	23 Jan 74	9 Feb 74

SECTION 3.1 - LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
32	567	584	10 Feb 74	27 Feb 74	48	855	872	25 Nov 74	12 Dec 74
33	585	602	28 Feb 74	17 Mar 74	49	873	890	13 Dec 74	30 Dec 74
34	603	620	18 Mar 74	4 Apr 74	50	891	908	31 Dec 74	17 Jan 75
35	621	638	5 Apr 74	22 Apr 74	51	909	926	18 Jan 75	4 Feb 75
36	639	656	23 Apr 74	11 May 74	52	927	944	5 Feb 75	22 Feb 75
37	657	674	12 May 74	28 May 74	53	945	962	23 Feb 75	12 Mar 75
38	675	692	29 May 74	15 Jun 74	54	963	980	13 Mar 75	30 Mar 75
39	693	710	16 Jun 74	3 Jul 74	55	981	998	31 Mar 75	17 Apr 75
40	711	728	4 Jul 74	21 Jul 74	56	999	1016	18 Apr 75	5 May 75
41	729	746	22 Jul 74	8 Aug 74	57	1017	1034	6 May 75	23 May 75
42	747	764	9 Aug 74	26 Aug 74	58	1035	1052	24 May 75	10 Jun 75
43	765	782	27 Aug 74	13 Sep 74	59	1053	1070	11 Jun 75	28 Jun 75
44	783	800	14 Sep 74	1 Oct 74	60	1071	1088	29 Jun 75	16 Jul 75
45	801	818	2 Oct 74	19 Oct 74	61	1089	1106	17 Jul 75	3 Aug 75
46	819	836	20 Oct 74	6 Nov 74	62	1107	1124	4 Aug 75	21 Aug 75
47	837	854	7 Nov 74	24 Nov 74	63	1125	1142	22 Aug 75	8 Sep 75

SECTION 3.1 - LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
64	1143	1160	9 Sep 75	26 Sep 75	80	1431	1448	23 Jun 76	10 Jul 76
65	1161	1178	27 Sep 75	14 Oct 75	81	1449	1466	11 Jul 76	28 Jul 76
66	1179	1196	15 Oct 75	1 Nov 75	82	1467	1484	29 Jul 76	15 Aug 76
67	1197	1214	2 Nov 75	19 Nov 75	83	1485	1502	16 Aug 76	2 Sep 76
68	1215	1232	20 Nov 75	7 Dec 75	84	1503	1520	3 Sep 76	20 Sep 76
69	1233	1250	8 Dec 75	25 Dec 75	85	1521	1538	21 Sep 76	8 Oct 76
70	1251	1268	26 Dec 75	12 Jan 76	86	1539	1556	9 Oct 76	26 Oct 76
71	1269	1286	13 Jan 76	30 Jan 76	87	1557	1574	27 Oct 76	13 Nov 76
72	1287	1304	31 Jan 76	17 Feb 76	88	1575	1592	14 Nov 76	1 Dec 76
73	1305	1322	18 Feb 76	6 Mar 76	89	1593	1610	2 Dec 76	19 Dec 76
74	1323	1340	7 Mar 76	24 Mar 76	90	1611	1628	20 Dec 76	6 Jan 77
75	1341	1358	25 Mar 76	11 Apr 76	91	1629	1646	7 Jan 77	24 Jan 77
76	1359	1376	12 Apr 76	29 Apr 76	92	1647	1664	25 Jan 77	11 Feb 77
77	1377	1394	30 Apr 76	17 May 76	93	1665	1682	12 Feb 77	1 Mar 77
78	1395	1412	18 May 76	4 Jun 76	94	1683	1700	2 Mar 77	19 Mar 77
79	1413	1430	5 Jun 76	22 Jun 76	95	1701	1718	20 Mar 77	6 Apr 77

SECTION 3.2 - LANDSAT 2 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 22 days	1	2	22 Jan 75	13 Feb 75	19	347	364	4 Jan 76	21 Jan 76
1	23	40	14 Feb 75	3 Mar 75	20	365	382	22 Jan 76	8 Feb 76
2	41	58	4 Mar 75	21 Mar 75	21	383	400	9 Feb 76	26 Feb 76
3	59	76	22 Mar 75	8 Apr 75	22	401	418	27 Feb 76	15 Mar 76
4	77	94	9 Apr 75	26 Apr 75	23	419	436	16 Mar 76	2 Apr 76
5	95	112	27 Apr 75	14 May 75	24	437	454	3 Apr 76	20 Apr 76
6	113	130	15 May 75	1 Jun 75	25	455	472	21 Apr 76	8 May 76
7	131	148	2 Jun 75	19 Jun 75	26	473	490	9 May 76	26 May 76
8	149	166	20 Jun 75	7 Jul 75	27	491	508	27 May 76	13 Jun 76
9	167	184	8 Jul 75	25 Jul 75	28	509	526	14 Jun 76	1 Jul 76
10	185	202	26 Jul 75	12 Aug 75	29	527	544	2 Jul 76	19 Jul 76
11	203	220	13 Aug 75	30 Aug 75	30	545	562	20 Jul 76	6 Aug 76
12	221	238	31 Aug 75	17 Sep 75	31	563	580	7 Aug 76	24 Aug 76
13	239	256	18 Sep 75	5 Oct 75	32	581	598	25 Aug 76	11 Sep 76
14	257	274	6 Oct 75	23 Oct 75	33	599	616	12 Sep 76	29 Sep 76
15	275	292	24 Oct 75	10 Nov 75	34	617	634	30 Sep 76	17 Oct 76
16	293	310	11 Nov 75	28 Nov 75	35	635	652	18 Oct 76	4 Nov 76
17	311	328	29 Nov 75	16 Dec 75	36	653	670	5 Nov 76	22 Nov 76
18	329	346	17 Dec 75	3 Jan 76	37	671	688	23 Nov 76	10 Dec 76

SECTION 4
LANDSAT 1 COVERAGE

0015



NO LANDSAT 1 DATA HAS BEEN ACQUIRED DURING DECEMBER.

0017

SECTION 5
LANDSAT 2 COVERAGE

0019

LANDSAT 2
OBSERVATION ID LISTING

16:35 FEB 17, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0020

OBSERVATION ID	MICROFILM POSITION IN RLV	ROLL No./ MSR	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RRV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2701-14240	00000/0000	2-10024/0001	12/23/76	30	9773	4730N 06631W	14.0	151.5	GGG		
2701-14243	00000/0000	2-10024/0002	12/23/76	80	9773	4605N 06706W	15.1	150.9	FFG		
2701-14245	00000/0000	2-10024/0006	12/23/76	70	9773	4440N 06740W	16.2	150.3	GG		
2701-14252	00000/0000	2-10024/0003	12/23/76	90	9773	4314N 6813W	17.2	149.7	FGG		
2701-14254	00000/0000	2-10024/0004	12/23/76	90	9773	4149N 06845W	18.3	149.1	FFGF		
2701-14261	00000/0000	2-10024/0005	12/23/76	80	9773	4023N 06916W	19.4	148.5	FFGG		
2705-14465	00000/0000	2-10024/0007	12/27/76	60	9829	4732N 07218W	13.9	151.0	FGG		
2705-14471	00000/0000	2-10024/0008	12/27/76	40	9829	4607N 07252W	15.0	150.4	GGG		
2705-14474	00000/0000	2-10024/0009	12/27/76	10	9829	4442N 07326W	16.1	149.8	GGG		
2705-14480	00000/0000	2-10024/0010	12/27/76	10	9829	4316N 07358W	17.1	149.2	GGG		
2705-14485	00000/0000	2-10024/0011	12/27/76	30	9829	4024N 07500W	19.2	148.0	GGG		
2705-14492	00000/0000	2-10024/0012	12/27/76	10	9829	3859N 07529W	20.3	147.4	FGG		
2705-14494	00000/0000	2-10024/0013	12/27/76	20	9829	3733N 07558W	21.3	146.8	GGG		
2705-14501	00000/0000	2-10024/0014	12/27/76	10	9829	3607N 07625W	22.4	146.1	GGG		
2705-14503	00000/0000	2-10024/0015	12/27/76	10	9829	3441N 07652W	23.4	145.5	GGG		
2705-14510	00000/0000	2-10024/0016	12/27/76	20	9829	3315N 07718W	24.4	144.9	FGG		
2705-14512	00000/0000	2-10024/0017	12/27/76	20	9829	3149N 07744W	25.4	144.2	GGG		
2705-14515	00000/0000	2-10024/0018	12/27/76	30	9829	3022N 07809W	26.4	143.5	GGG		
2705-14521	00000/0000	2-10024/0019	12/27/76	40	9829	2856N 07833W	27.4	142.8	GGG		
2705-14524	00000/0000	2-10024/0020	12/27/76	30	9829	2730N 07857W	28.4	142.1	GGG		
2705-14530	00000/0000	2-10024/0021	12/27/76	30	9829	2603N 07920W	29.4	141.4	GGG		
2705-16301	00000/0000	2-10024/0022	12/27/76	90	9830	4732N 09806W	13.9	151.0	GGF		
2705-16303	00000/0000	2-10024/0023	12/27/76	90	9830	4606N 09841W	15.0	150.4	FGGF		
2705-16310	00000/0000	2-10024/0024	12/27/76	50	9830	4441N 09915W	16.1	149.8	GGG		
2705-16312	00000/0000	2-10024/0025	12/27/76	40	9830	4316N 09947W	17.1	149.2	GGG		
2705-16315	00000/0000	2-10024/0026	12/27/76	40	9830	4151N 10018W	18.2	148.6	GGG		
2705-16321	00000/0000	2-10024/0027	12/27/76	70	9830	4025N 10048W	19.2	148.0	GGG		
2705-16324	00000/0000	2-10024/0028	12/27/76	30	9830	3900N 10117W	20.3	147.4	GGG		
2705-16330	00000/0000	2-10024/0029	12/27/76	70	9830	3734N 10145W	21.3	146.8	GGF		
2705-16333	00000/0000	2-10024/0030	12/27/76	60	9830	3608N 10213W	22.4	146.1	GGG		
2705-16335	00000/0000	2-10024/0031	12/27/76	30	9830	3442N 10279W	23.4	145.5	GGG		
2705-16342	00000/0000	2-10024/0032	12/27/76	10	9830	3316N 10345W	24.4	144.9	GGG		
2705-16344	00000/0000	2-10024/0033	12/27/76	10	9830	3140N 10381W	25.4	144.2	GGG		
2705-16351	00000/0000	2-10024/0034	12/27/76	0	9830	3023N 10396W	26.4	143.5	GGG		
2705-16353	00000/0000	2-10024/0035	12/27/76	0	9830	2857N 10421W	27.4	142.8	GGG		
2705-16360	00000/0000	2-10024/0036	12/27/76	0	9830	2731N 10445W	28.4	142.1	GGG		

KEYS: CLOUD COVER & 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0021

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2705-18132	30000/0000	2-10026/0037	12/27/76	70	9831	4732N 12355W	13.9	151.0	GGG3		
2705-18135	30000/0000	2-10026/0038	12/27/76	50	9831	4606N 12430W	15.0	150.4	GGG3		
2705-18141	30000/0000	2-10026/0039	12/27/76	40	9831	4441N 12504W	14.1	149.8	GGG3		
2705-18144	30000/0000	2-10026/0040	12/27/76	60	9831	4315N 12536W	17.1	149.2	GGG3		
2705-18150	30000/0000	2-10026/0041	12/27/76	60	9831	4150N 12607W	18.2	148.6	GGG3		
2706-14523	30000/0000	2-10026/0042	12/28/76	0	9843	4731N 07344W	13.9	150.9	GGG3		
2706-14530	30000/0000	2-10026/0043	12/28/76	0	9843	4606N 07419W	15.0	150.3	GGG3		
2706-14532	30000/0000	2-10026/0044	12/28/76	10	9843	4441N 07452W	16.1	149.7	GGG3		
2706-14535	30000/0000	2-10026/0045	12/28/76	80	9843	4315N 07525W	17.1	149.1	GGG3		
2706-14541	30000/0000	2-10026/0046	12/28/76	100	9843	4150N 07556W	18.2	148.5	GGG3		
2706-14544	30000/0000	2-10026/0047	12/28/76	90	9843	4025N 07626W	19.2	147.9	GGG3		
2706-14550	30000/0000	2-10026/0048	12/28/76	50	9843	3859N 07655W	20.3	147.2	GGG3		
2706-14553	30000/0000	2-10026/0049	12/28/76	60	9843	3733N 07724W	21.3	146.6	GGG3		
2706-14555	30000/0000	2-10026/0050	12/28/76	30	9843	3606N 07752W	22.4	146.0	GGG3		
2706-14562	30000/0000	2-10026/0051	12/28/76	50	9843	3440N 07819W	23.4	145.4	GGG3		
2706-14564	30000/0000	2-10026/0052	12/28/76	90	9843	3314N 07844W	24.4	144.7	GGG3		
2706-14571	30000/0000	2-10026/0053	12/28/76	80	9843	3148N 07910W	25.4	144.1	GGG3		
2706-14573	30000/0000	2-10026/0054	12/28/76	70	9843	3022N 07934W	26.4	143.4	GGG3		
2706-14580	30000/0000	2-10026/0055	12/28/76	60	9843	2856N 07959W	27.4	142.7	GGG3		
2706-14582	30000/0000	2-10026/0056	12/28/76	20	9843	2729N 08022W	28.4	142.0	GGG3		
2706-16364	30000/0000	2-10026/0057	12/28/76	90	9844	4441N 10042W	16.1	149.7	GGG3		
2706-16370	30000/0000	2-10026/0058	12/28/76	80	9844	4315N 10114W	17.1	149.0	GGG3		
2706-16373	30000/0000	2-10026/0059	12/28/76	10	9844	4149N 10145W	18.2	148.4	GGG3		
2706-16375	30000/0000	2-10026/0060	12/28/76	0	9844	4024N 10215W	19.2	147.8	GGG3		
2706-16382	30000/0000	2-10026/0061	12/28/76	0	9844	3958N 10244W	20.3	147.2	GGG3		
2706-16384	30000/0000	2-10026/0062	12/28/76	0	9844	3732N 10312W	21.3	146.6	GGG3		
2706-16391	30000/0000	2-10026/0063	12/28/76	0	9844	3607N 10340W	22.4	146.0	GGG3		
2706-16393	30000/0000	2-10026/0064	12/28/76	0	9844	3441N 10406W	23.4	145.4	GGG3		
2706-16400	30000/0000	2-10026/0065	12/28/76	10	9844	3314N 10432W	24.4	144.7	GGG3		
2706-16402	30000/0000	2-10026/0066	12/28/76	30	9844	3148N 10458W	25.4	144.0	GGG3		
2706-16405	30000/0000	2-10026/0067	12/28/76	60	9844	3022N 10523W	26.4	143.4	GGG3		
2706-16411	30000/0000	2-10026/0068	12/28/76	60	9844	2856N 10547W	27.4	142.7	GGG3		
2707-14581	30000/0000	2-10026/0099	12/29/76	90	9857	4730N 07509W	13.9	150.7	GGG3		
2707-14584	30000/0000	2-10026/0100	12/29/76	60	9857	4605N 07544W	15.0	150.1	GGG3		
2707-14590	30000/0000	2-10026/0101	12/29/76	50	9857	4440N 07618W	16.1	149.5	GGG3		
2707-14593	30000/0000	2-10026/0102	12/29/76	80	9857	4315N 07650W	17.1	148.9	GGG3		

KEYS: CLOUD COVER & 0 TO 100 % & CLOUD COVER.
 IMAGE QUALITY BLANKS-BAND NOT AVAILABLE. 00000. 00000. 00000.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0022

OBSERVATION ID	MICROFILM POSITION IN RBV	ROLL NO./ IN ROLL MSG	DATE ACQUIRED	CLOUD COVER	SUNBIT NUMBER	PRINCIPAL PRINT OF IMAGE LAT	PRINCIPAL PRINT LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV	QUAL MSG	MSS DATA MODE	MSS IMAGE GAIN
2707-14595	00000/0000	2-10024/0103	12/29/76	50	9857	3149N	07721W	18.2	148.3	0000			
2707-15002	00000/0000	2-10024/0104	12/29/76	50	9857	3023N	07752W	19.3	147.7	0000			
2707-15004	00000/0000	2-10024/0105	12/29/76	70	9857	3058N	07821W	20.3	147.1	0000			
2707-15011	00000/0000	2-10024/0106	12/29/76	60	9857	3732N	07849W	21.3	146.5	0000			
2707-15013	00000/0000	2-10024/0107	12/29/76	40	9857	3606N	07917W	22.4	145.8	0000			
2707-15020	00000/0000	2-10024/0108	12/29/76	10	9857	3440N	07953W	23.4	145.2	0000			
2707-15022	00000/0000	2-10024/0109	12/29/76	0	9857	3314N	08005W	24.4	144.6	0000			
2707-15025	00000/0000	2-10024/0110	12/29/76	10	9857	3147N	08035W	25.4	143.9	0000			
2707-15031	00000/0000	2-10024/0111	12/29/76	10	9857	3021N	08100W	26.4	143.2	0000			
2707-15034	00000/0000	2-10024/0112	12/29/76	10	9857	2854N	08124W	27.4	142.5	0000			
2707-16410	00000/0000	2-10024/0069	12/29/76	90	9858	4856N	10022W	12.9	151.3	0000			
2707-16413	00000/0000	2-10024/0070	12/29/76	90	9858	4731N	10059W	14.0	150.7	0000			
2707-16415	00000/0000	2-10024/0071	12/29/76	80	9858	4625N	10134W	15.0	150.1	0000			
2707-16422	00000/0000	2-10024/0072	12/29/76	30	9858	4440N	10208W	16.1	149.5	0000			
2707-16424	00000/0000	2-10024/0073	12/29/76	50	9858	4315N	10240W	17.1	148.9	0000			
2707-16431	00000/0000	2-10024/0074	12/29/76	10	9858	4149N	10311W	18.2	148.3	0000			
2707-16433	00000/0000	2-10024/0075	12/29/76	10	9858	4023N	10342W	19.3	147.7	0000			
2707-16440	00000/0000	2-10024/0076	12/29/76	20	9858	3858N	10411W	20.3	147.1	0000			
2707-16442	00000/0000	2-10024/0077	12/29/76	20	9858	3732N	10439W	21.3	146.5	0000			
2707-16445	00000/0000	2-10024/0078	12/29/76	10	9858	3606N	10506W	22.4	145.8	0000			
2707-16451	00000/0000	2-10024/0079	12/29/76	0	9858	3440N	10532W	23.4	145.2	0000			
2707-16454	00000/0000	2-10024/0080	12/29/76	30	9858	3314N	10558W	24.4	144.6	0000			
2707-16460	00000/0000	2-10024/0081	12/29/76	80	9858	3148N	10624W	25.4	143.9	0000			
2707-16463	00000/0000	2-10024/0082	12/29/76	80	9858	3022N	10649W	26.4	143.2	0000			
2708-15013	00000/0000	2-10024/0113	12/30/76	70	9871	4856N	07558W	12.9	151.2	0000			
2708-15040	00000/0000	2-10024/0114	12/30/76	10	9871	4730N	07634W	14.0	150.6	0000			
2708-15042	00000/0000	2-10024/0115	12/30/76	10	9871	4635N	07709W	15.0	150.0	0000			
2708-15045	00000/0000	2-10024/0116	12/30/76	10	9871	4439N	07743W	16.1	149.4	0000			
2708-15051	00000/0000	2-10024/0117	12/30/76	20	9871	4314N	07815W	17.2	148.8	0000			
2708-15054	00000/0000	2-10024/0118	12/30/76	30	9871	4148N	07847W	18.2	148.2	0000			
2708-15060	00000/0000	2-10024/0119	12/30/76	40	9871	4023N	07917W	19.3	147.6	0000			
2708-15063	00000/0000	2-10024/0120	12/30/76	50	9871	3857N	07946W	20.3	146.9	0000			
2708-15065	00000/0000	2-10024/0121	12/30/76	10	9871	3730N	08015W	21.3	146.3	0000			
2708-15072	00000/0000	2-10024/0122	12/30/76	0	9871	3604N	08043W	22.4	145.7	0000			
2708-15074	00000/0000	2-10024/0123	12/30/76	0	9871	3438N	08110W	23.4	145.1	0000			
2708-15081	00000/0000	2-10024/0124	12/30/76	10	9871	3312N	08136W	24.4	144.4	0000			

KEYS: CLOUD COVER & 0 TO 100 & CLOUD COVER.
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. 00000. 00000. 00000.
 MSS DATA MODE..... (BLANK)=COMPRESSED, 1=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, HIGH GAIN

18133 FEB 17, 77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0023

OBSERVATION ID	MICROFILM POSITION R9V	ROLL NO./ IN R9V MSS	DATE ACQUIRED	CLOUD COVER	SBBY NUMBER	PRINCIPAL OF IMAGE LAT	PRIN LONG	SUN FLEV.	SUN AZIM.	IMAGE QUAL R9V MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2708-15083	00000/0000	2-10026/0125	12/30/76	10	9871	3146N	08201W	25.4	143.7	GGGG		
2708-15090	00000/0000	2-10026/0126	12/30/76	20	9871	3090N	08226W	26.4	143.1	GGGG		
2708-15092	00000/0000	2-10026/0127	12/30/76	40	9871	2844N	08250W	27.4	142.4	GGGG		
2708-16465	00000/0000	2-10026/0083	12/30/76	80	9872	4855N	10148W	12.9	151.2	GGGG		
2708-16471	00000/0000	2-10026/0084	12/30/76	40	9872	4770N	10225W	14.0	150.6	GGGG		
2708-16474	00000/0000	2-10026/0085	12/30/76	10	9872	4654N	10301W	15.0	150.0	GGGG		
2708-16480	00000/0000	2-10026/0086	12/30/76	10	9872	4439N	10335W	16.1	149.4	GGGG		
2708-16483	00000/0000	2-10026/0087	12/30/76	10	9872	4313N	10407W	17.2	148.8	GGGG		
2708-16485	00000/0000	2-10026/0088	12/30/76	80	9872	4148N	10439W	18.2	148.2	GGGG		
2708-16492	00000/0000	2-10026/0089	12/30/76	80	9872	4022N	10509W	19.3	147.5	GGGG		
2708-16494	00000/0000	2-10026/0090	12/30/76	50	9872	3856N	10538W	20.3	146.9	GGGG		
2708-16501	00000/0000	2-10026/0091	12/30/76	10	9872	3731N	10606W	21.4	146.3	GGGG		
2708-16503	00000/0000	2-10026/0092	12/30/76	10	9872	3605N	10633W	22.4	145.7	GGGG		
2708-16510	00000/0000	2-10026/0093	12/30/76	10	9872	3440N	10659W	23.4	145.0	GGGG		
2708-16512	00000/0000	2-10026/0094	12/30/76	10	9872	3314N	10725W	24.4	144.4	GGGG		
2708-16515	00000/0000	2-10026/0095	12/30/76	30	9872	3148N	10750W	25.4	143.7	GGGG		
2708-16521	00000/0000	2-10026/0096	12/30/76	30	9872	3021N	10815W	26.4	143.0	GGGG		
2709-15091	00000/0000	2-10026/0164	12/31/76	60	9885	4853N	07726W	12.9	151.1	GGGG		
2709-15094	00000/0000	2-10026/0165	12/31/76	20	9885	4728N	07802W	14.0	150.4	GGGG		
2709-15100	00000/0000	2-10026/0166	12/31/76	10	9885	4603N	07837W	15.1	149.8	GGGG		
2709-15103	00000/0000	2-10026/0167	12/31/76	20	9885	4438N	07911W	16.1	149.2	GGGG		
2709-15105	00000/0000	2-10026/0168	12/31/76	20	9885	4313N	07943W	17.2	148.6	GGGG		
2709-15112	00000/0000	2-10026/0169	12/31/76	20	9885	4147N	08014W	18.2	148.0	GGGG		
2709-15114	00000/0000	2-10026/0170	12/31/76	10	9885	4022N	08044W	19.3	147.4	GGGG		
2709-15121	00000/0000	2-10026/0171	12/31/76	10	9885	3856N	08114W	20.3	146.8	GGGG		
2709-15123	00000/0000	2-10026/0172	12/31/76	40	9885	3730N	08142W	21.4	146.2	GGGG		
2709-15130	00000/0000	2-10026/0173	12/31/76	30	9885	3604N	08210W	22.4	145.5	GGGG		
2709-15132	00000/0000	2-10026/0174	12/31/76	10	9885	3478N	08237W	23.4	144.9	GGGG		
2709-15135	00000/0000	2-10026/0175	12/31/76	40	9885	3314N	08303W	24.4	144.2	GGGG		
2709-15141	00000/0000	2-10026/0176	12/31/76	50	9885	3146N	08328W	25.4	143.6	GGGG		
2709-15144	00000/0000	2-10026/0177	12/31/76	70	9885	3020N	08353W	26.4	142.9	GGGG		
2709-16523	00000/0000	2-10026/0135	12/31/76	10	9886	4854N	10314W	12.9	151.0	GGGG		
2709-16525	00000/0000	2-10026/0136	12/31/76	50	9886	4729N	10351W	14.0	150.4	GGGG		
2709-16532	00000/0000	2-10026/0137	12/31/76	60	9886	4604N	10426W	15.1	149.8	GGGG		
2709-16534	00000/0000	2-10026/0138	12/31/76	90	9886	4439N	10459W	16.1	149.2	GGGG		
2709-16541	00000/0000	2-10026/0139	12/31/76	90	9886	4313N	10532W	17.2	148.6	GGGG		

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

14133 FEB 11, 77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0024

OBSERVATION ID	WCS9FILM POSITION IN RBV	ROLL NO./ IN ROLL WCS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN FLEV.	SUN AZIM.	IMAGE-QUAL V	MSS DATA MODE	MSS IMAGE GAIN
2709-16543	00000/0000	2-10026/0140	12/31/76	50	9886	6147N	10603W	18.2	148.0	GGGF		
2709-16550	00000/0000	2-10026/0141	12/31/76	50	9886	6022N	10634W	19.3	147.4	GGGF		
2709-16552	00000/0000	2-10026/0142	12/31/76	70	9886	3856N	10703W	20.3	146.8	GGGF		
2709-16555	00000/0000	2-10026/0143	12/31/76	90	9886	3730N	10731W	21.4	146.2	GGGF		
2709-16561	00000/0000	2-10026/0144	12/31/76	90	9886	3604N	10758W	22.4	145.5	GGGF		
2709-16564	00000/0000	2-10026/0145	12/31/76	80	9886	3439N	10825W	23.4	144.9	GGGF		
2709-16570	00000/0000	2-10026/0146	12/31/76	80	9886	3313N	10850W	24.4	144.2	GGGF		
2709-16573	00000/0000	2-10026/0147	12/31/76	60	9886	3147N	10915W	25.4	143.6	GGGF		
2709-16575	00000/0000	2-10026/0148	12/31/76	50	9886	3021N	10940W	26.4	142.9	GGGF		
2710-15190	00000/0000	2-10026/0128	01/01/77	0	9899	3440N	08401W	23.4	144.8	GGGF		
2710-15193	00000/0000	2-10026/0129	01/01/77	10	9899	3314N	08427W	24.4	144.1	GGGF		
2710-15195	00000/0000	2-10026/0130	01/01/77	10	9899	3148N	08452W	25.4	143.4	GGGF		
2710-15202	00000/0000	2-10026/0131	01/01/77	10	9899	3022N	08517W	26.4	142.8	GGGF		
2710-15204	00000/0000	2-10026/0132	01/01/77	60	9899	2856N	08542W	27.4	142.1	GGGF		
2710-16581	00000/0000	2-10026/0149	01/01/77	20	9900	4857N	10439W	11.9	150.9	GGGF		
2710-16583	00000/0000	2-10026/0150	01/01/77	40	9900	4731N	10516W	14.0	150.3	GGGF		
2710-16590	00000/0000	2-10026/0151	01/01/77	90	9900	4606N	10551W	15.1	149.7	GGGF		
2710-16592	00000/0000	2-10026/0152	01/01/77	90	9900	4441N	10624W	16.1	149.1	GGGF		
2710-16595	00000/0000	2-10026/0153	01/01/77	80	9900	4315N	10656W	17.2	148.5	GGGF		
2710-17001	00000/0000	2-10026/0154	01/01/77	70	9900	4150N	10727W	18.2	147.9	GGGF		
2710-17004	00000/0000	2-10026/0155	01/01/77	40	9900	4024N	10757W	19.3	147.3	GGGF		
2710-17010	00000/0000	2-10026/0156	01/01/77	70	9900	3859N	10826W	20.3	146.6	GGGF		
2710-17013	00000/0000	2-10026/0157	01/01/77	70	9900	3733N	10854W	21.3	146.0	GGGF		
2710-17015	00000/0000	2-10026/0158	01/01/77	70	9900	3607N	10921W	22.4	145.4	GGGF		
2710-17022	00000/0000	2-10026/0159	01/01/77	80	9900	3441N	10948W	23.4	144.7	GGGF		
2710-17024	00000/0000	2-10026/0160	01/01/77	80	9900	3315N	11015W	24.4	144.1	GGGF		
2710-17031	00000/0000	2-10026/0161	01/01/77	60	9900	3149N	11040W	25.4	143.4	GGGF		
2710-17033	00000/0000	2-10026/0162	01/01/77	90	9900	3023N	11105W	26.4	142.7	GGGF		
2711-15203	00000/0000	2-10026/0178	01/02/77	50	9913	4855N	08015W	13.0	150.8	GGGF		
2711-15210	00000/0000	2-10026/0179	01/02/77	50	9913	4730N	08052W	14.1	150.2	GGGF		
2711-15212	00000/0000	2-10026/0180	01/02/77	60	9913	4605N	08127W	15.1	149.6	GGGF		
2711-15215	00000/0000	2-10026/0181	01/02/77	90	9913	4440N	08201W	16.2	148.9	GGGF		
2711-15221	00000/0000	2-10026/0182	01/02/77	90	9913	4314N	08233W	17.2	148.3	GGGF		
2711-15224	00000/0000	2-10026/0183	01/02/77	80	9913	4149N	08304W	18.3	147.7	GGGF		
2711-15230	00000/0000	2-10026/0184	01/02/77	20	9913	4023N	08334W	19.3	147.1	GGGF		
2711-15233	00000/0000	2-10026/0185	01/02/77	0	9913	3858N	08403W	20.3	146.5	GGGF		

KEYS: CLOUD COVER 0 TO 100 = CLOUD COVER.
 IMAGE QUALITY BLANKS-BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0025

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2711-15235	30000/0000	2-10026/0186	01/02/77	20	9913	3732N 08432W	21.4	145.9	RGFR		
2711-15242	30000/0000	2-10026/0187	01/02/77	50	9913	3606N 08459W	22.4	145.2	RGFR		
2711-15244	30000/0000	2-10026/0188	01/02/77	100	9913	3440N 08526W	23.4	144.4	RGFR		
2711-15251	30000/0000	2-10026/0189	01/02/77	100	9913	3314N 08552W	24.4	143.9	RGFR		
2711-15253	30000/0000	2-10026/0190	01/02/77	100	9913	3148N 08618W	25.4	143.3	RGFR		
2711-15260	30000/0000	2-10026/0191	01/02/77	100	9913	3022N 08643W	26.4	142.6	RGFR		
2711-17039	30000/0000	2-10026/0206	01/02/77	20	9914	4856N 10605W	13.0	150.8	RGFR		
2711-17042	30000/0000	2-10026/0207	01/02/77	10	9914	4731N 10642W	14.1	150.2	RGFR		
2711-17044	30000/0000	2-10026/0208	01/02/77	20	9914	4606N 10717W	15.1	149.5	RGFR		
2711-17051	30000/0000	2-10026/0209	01/02/77	0	9914	4441N 10750W	16.2	148.9	RGFR		
2711-17053	30000/0000	2-10026/0210	01/02/77	10	9914	4316N 10822W	17.2	148.3	RGFR		
2711-17060	30000/0000	2-10026/0211	01/02/77	20	9914	4151N 10853W	18.3	147.7	RGFR		
2711-17062	30000/0000	2-10026/0212	01/02/77	20	9914	4026N 10923W	19.3	147.1	RGFR		
2711-17065	30000/0000	2-10026/0213	01/02/77	20	9914	3859N 10952W	20.3	146.5	RGFR		
2711-17071	30000/0000	2-10026/0214	01/02/77	20	9914	3733N 11020W	21.4	145.9	RGFR		
2711-17074	30000/0000	2-10026/0215	01/02/77	20	9914	3607N 11048W	22.4	145.2	RGFR		
2712-15262	30000/0000	2-10026/0192	01/03/77	90	9927	4855N 08141W	13.0	150.6	RGFR		
2712-15264	30000/0000	2-10026/0193	01/03/77	70	9927	4730N 08218W	14.1	150.0	RGFR		
2712-15271	30000/0000	2-10026/0194	01/03/77	80	9927	4604N 08253W	15.2	149.4	RGFR		
2712-15273	30000/0000	2-10026/0195	01/03/77	90	9927	4439N 08327W	16.2	148.8	RGFR		
2712-15280	30000/0000	2-10026/0196	01/03/77	90	9927	4314N 08400W	17.3	148.2	RGFR		
2712-15282	30000/0000	2-10026/0197	01/03/77	90	9927	4148N 08432W	18.3	147.6	RGFR		
2712-15285	30000/0000	2-10026/0198	01/03/77	80	9927	4023N 08502W	19.4	147.0	RGFR		
2712-15291	30000/0000	2-10026/0199	01/03/77	80	9927	3857N 08531W	20.4	146.3	RGFR		
2712-15294	30000/0000	2-10026/0200	01/03/77	100	9927	3731N 08559W	21.4	145.7	RGFR		
2712-15300	30000/0000	2-10026/0201	01/03/77	100	9927	3605N 08627W	22.4	145.1	RGFR		
2712-15303	30000/0000	2-10026/0202	01/03/77	100	9927	3439N 08654W	23.4	144.4	RGFR		
2712-15305	30000/0000	2-10026/0203	01/03/77	100	9927	3313N 08720W	24.4	143.8	RGFR		
2712-15312	30000/0000	2-10026/0204	01/03/77	90	9927	3147N 08745W	25.4	143.1	RGFR		
2712-15314	30000/0000	2-10026/0205	01/03/77	90	9927	3021N 08810W	26.4	142.4	RGFR		
2712-17093	30000/0000	2-10026/0229	01/03/77	50	9928	4855N 10730W	13.1	150.6	RGFR		
2712-17100	30000/0000	2-10026/0230	01/03/77	70	9928	4730N 10806W	14.1	150.0	RGFR		
2712-17102	30000/0000	2-10026/0231	01/03/77	60	9928	4605N 10841W	15.2	149.4	RGFR		
2712-17105	30000/0000	2-10026/0232	01/03/77	60	9928	4440N 10915W	16.2	148.8	RGFR		
2712-17111	30000/0000	2-10026/0233	01/03/77	90	9928	4315N 10947W	17.3	148.2	RGFR		
2712-17114	30000/0000	2-10026/0234	01/03/77	90	9928	4149N 11018W	18.3	147.6	RGFR		

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0026

OBSERVATION ID	MICROFILM POSITION RBY	ROLL NO./ IN ROLL MSR	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBY MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2712-17120	00000/0000	2-10024/0235	01/03/77	90	9928	4024N	11049W	19.4	146.9	GGG		
2712-17123	00000/0000	2-10024/0236	01/03/77	90	9928	3858N	11118W	20.4	146.3	GGG		
2712-17125	00000/0000	2-10024/0237	01/03/77	90	9928	3732N	11146W	21.4	145.7	GGG		
2712-17132	00000/0000	2-10024/0238	01/03/77	80	9928	3606N	11214W	22.4	145.1	GGG		
2712-17134	00000/0000	2-10024/0239	01/03/77	90	9928	3440N	11241W	23.4	144.4	GGG		
2712-17141	00000/0000	2-10024/0240	01/03/77	60	9928	3314N	11307W	24.4	143.8	GGG		
2712-17143	00000/0000	2-10024/0241	01/03/77	20	9928	3168N	11333W	25.4	143.1	GGG		
2712-17150	00000/0000	2-10024/0242	01/03/77	10	9928	3024N	11358W	26.4	142.4	GGG		
2713-15320	00000/0000	2-10024/0216	01/04/77	50	9941	4854N	08309W	13.1	150.5	GGG		
2713-15322	00000/0000	2-10024/0217	01/04/77	60	9941	4729N	08346W	14.2	149.9	GGG		
2713-15325	00000/0000	2-10024/0218	01/04/77	40	9941	4604N	08421W	15.2	149.2	GGG		
2713-15331	00000/0000	2-10024/0219	01/04/77	20	9941	4439N	08455W	16.3	148.6	GGG		
2713-15334	00000/0000	2-10024/0220	01/04/77	10	9941	4314N	08527W	17.3	148.0	GGG		
2713-15340	00000/0000	2-10024/0221	01/04/77	30	9941	4169N	08558W	18.4	147.4	GGG		
2713-15343	00000/0000	2-10024/0222	01/04/77	80	9941	4024N	08628W	19.4	146.8	GGG		
2713-15345	00000/0000	2-10024/0223	01/04/77	100	9941	3858N	08657W	20.4	146.2	GGG		
2713-15352	00000/0000	2-10024/0224	01/04/77	100	9941	3731N	08725W	21.4	145.5	GGG		
2713-15354	00000/0000	2-10024/0225	01/04/77	100	9941	3605N	08753W	22.5	144.9	GGG		
2713-15361	00000/0000	2-10024/0226	01/04/77	100	9941	3439N	08820W	23.5	144.3	GGG		
2713-15363	00000/0000	2-10024/0227	01/04/77	100	9941	3313N	08846W	24.5	143.6	GGG		
2713-15370	00000/0000	2-10024/0228	01/04/77	100	9941	3167N	08911W	25.5	142.9	GGG		
2713-17151	00000/0000	2-10024/0243	01/04/77	90	9942	4854N	10858W	13.1	150.5	GGG		
2713-17154	00000/0000	2-10024/0244	01/04/77	70	9942	4729N	10934W	14.2	149.8	GGG		
2713-17160	00000/0000	2-10024/0245	01/04/77	40	9942	4604N	11009W	15.2	149.2	GGG		
2713-17163	00000/0000	2-10024/0246	01/04/77	20	9942	4438N	11042W	16.3	148.6	GGG		
2713-17165	00000/0000	2-10024/0247	01/04/77	60	9942	4313N	11114W	17.3	148.0	GGG		
2713-17172	00000/0000	2-10024/0248	01/04/77	70	9942	4168N	11145W	18.4	147.4	GGG		
2713-17174	00000/0000	2-10024/0249	01/04/77	70	9942	4023N	11216W	19.4	146.8	GGG		
2713-17181	00000/0000	2-10024/0250	01/04/77	70	9942	3859N	11245W	20.4	146.2	GGG		
2713-17183	00000/0000	2-10024/0251	01/04/77	20	9942	3731N	11312W	21.5	145.5	GGG		
2713-17190	00000/0000	2-10024/0252	01/04/77	40	9942	3606N	11339W	22.5	144.9	GGG		
2713-17192	00000/0000	2-10024/0253	01/04/77	80	9942	3441N	11406W	23.5	144.3	GGG		
2713-17195	00000/0000	2-10024/0254	01/04/77	80	9942	3315N	11433W	24.5	143.6	GGG		
2713-17201	00000/0000	2-10024/0255	01/04/77	80	9942	3167N	11459W	25.5	142.9	GGG		
2714-15374	2-10024/0868	00000/0000	01/05/77	10	9955	4850N	08431W	13.2	150.3	GGG		
2714-15381	2-10024/0869	2-10024/0256	01/05/77	20	9955	4730N	08510W	14.3	149.7	GGG	GGG	

KEYS: CLOUD COVER 0 TO 100 = 0 TO 100% CLOUD COVER.
 IMAGE QUALITY BLANKS BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, '77

1 AMTSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0027

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN RSL MSR	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RSV MSR 123 45678	MSR DATA MODE	MSR IMAGE GAIN
2714-15383	30000/0300	2-10024/0257	01/05/77	60	9955	4604N 08545W	15.3	149.1		RG00	
2714-15390	30000/0300	2-10024/0258	01/05/77	70	9955	4439N 08619W	16.3	148.5		RG00	
2714-15392	30000/0300	2-10024/0259	01/05/77	60	9955	4314N 08652W	17.4	147.9		RG00	
2714-15395	2-10026/0870	2-10024/0260	01/05/77	40	9955	4143N 08722W	18.5	147.2	GG0	RG00	
2714-15401	2-10026/0871	2-10024/0261	01/05/77	70	9955	4023N 08753W	19.5	146.6	GG	RG00	
2714-15404	2-10026/0872	2-10024/0262	01/05/77	100	9955	3857N 08822W	20.5	146.0	GG0	RG00	
2714-15410	2-10026/0873	2-10024/0263	01/05/77	50	9955	3731N 08850W	21.5	145.3	GG0	RG00	
2714-15413	2-10026/0874	2-10024/0264	01/05/77	90	9955	3605N 08918W	22.6	144.7	GG0	RG00	
2714-15415	2-10026/0875	2-10024/0265	01/05/77	90	9955	3439N 08945W	23.6	144.1	GFF	RG00	
2714-15422	2-10026/0876	2-10024/0266	01/05/77	30	9955	3313N 09011W	24.6	143.4	GFF	RG00	
2714-17210	30000/0300	2-10026/0267	01/05/77	30	9956	4854N 11023W	13.2	150.3		RF00	
2714-17212	30000/0300	2-10026/0268	01/05/77	10	9956	4729N 11100W	14.2	149.7		RF00	
2714-17215	30000/0300	2-10026/0269	01/05/77	10	9956	4604N 11135W	15.3	149.1		RG00	
2714-17221	30000/0300	2-10026/0270	01/05/77	0	9956	4439N 11209W	16.3	148.5		RG00	
2714-17224	30000/0300	2-10026/0271	01/05/77	10	9956	4313N 11241W	17.4	147.9		RG00	
2714-17230	30000/0300	2-10026/0272	01/05/77	10	9956	4148N 11313W	18.4	147.2		RG00	
2714-17233	30000/0300	2-10026/0273	01/05/77	70	9956	4023N 11342W	19.5	146.6		RG00	
2714-17235	30000/0300	2-10026/0274	01/05/77	90	9956	3856N 11411W	20.5	146.0		RG00	
2714-17242	30000/0300	2-10026/0275	01/05/77	80	9956	3730N 11440W	21.5	145.4		RG00	
2714-17244	30000/0300	2-10026/0276	01/05/77	90	9956	3604N 11507W	22.5	144.7		RG00	
2714-17251	30000/0300	2-10026/0277	01/05/77	30	9956	3439N 11534W	23.5	144.1		RG00	
2714-17253	30000/0300	2-10026/0278	01/05/77	30	9956	3313N 11600W	24.5	143.4		RG00	
2714-17260	30000/0300	2-10026/0279	01/05/77	60	9956	3146N 11626W	25.5	142.7		RG00	
2715-15432	30000/0300	2-10026/0337	01/06/77	90	9969	4854N 08602W	13.2	150.2		RG00	
2715-15435	30000/0300	2-10026/0338	01/06/77	100	9969	4729N 08638W	14.3	149.6		RG00	
2715-15441	30000/0300	2-10026/0339	01/06/77	90	9969	4604N 08712W	15.3	148.9		RF00	
2715-15444	30000/0300	2-10026/0340	01/06/77	50	9969	4439N 08746W	16.4	148.3		RF00	
2715-15450	30000/0300	2-10026/0341	01/06/77	40	9969	4314N 08818W	17.4	147.7		RG00	
2715-15453	30000/0300	2-10026/0342	01/06/77	70	9969	4149N 08848W	18.5	147.1		RG00	
2715-15455	30000/0300	2-10026/0343	01/06/77	60	9969	4023N 08919W	19.5	146.5		RG00	
2715-15462	30000/0300	2-10026/0344	01/06/77	90	9969	3857N 08948W	20.5	145.8		RG00	
2715-15464	30000/0300	2-10026/0345	01/06/77	100	9969	3731N 09016W	21.5	145.2		RG00	
2715-15471	30000/0300	2-10026/0346	01/06/77	100	9969	3605N 09044W	22.5	144.6		RF00	
2715-15473	30000/0300	2-10026/0347	01/06/77	100	9969	3439N 09110W	23.6	143.9		RF00	
2715-15480	30000/0300	2-10026/0348	01/06/77	100	9969	3313N 09137W	24.5	143.3		RG00	
2715-15482	30000/0300	2-10026/0349	01/06/77	90	9969	3147N 09202W	25.5	142.6		RG00	

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY (BLANK)=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSR DATA MODE..... (BLANK)=COMPRESSED, C=UNCOMPRESSED
 MSR IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0028

OBSERVATION ID	MICROFILM POSITION RSV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	DAKIT NUMBER	PRINCIPAL OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RSV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2715-17264	00000/0000	2-10026/0280	01/06/77	100	9970	4854N	11151W	13.3	150.2	0000		
2715-17273	00000/0000	2-10026/0281	01/06/77	80	9970	4604N	11303W	15.4	148.9	0000		
2715-17284	00000/0000	2-10026/0282	01/06/77	20	9970	4149N	11440W	18.5	147.1	FFFF		
2715-17291	00000/0000	2-10026/0283	01/06/77	10	9970	4023N	11510W	19.5	146.5	0000		
2715-17297	00000/0000	2-10026/0284	01/06/77	10	9970	3857N	11539W	20.8	145.8	0000		
2716-15493	00000/0000	2-10026/0317	01/07/77	70	9983	4730N	08804W	14.4	149.4	0000		
2716-15495	00000/0000	2-10026/0318	01/07/77	10	9983	4605N	08839W	15.4	148.8	00 3		
2716-15502	00000/0000	2-10026/0319	01/07/77	0	9983	4439N	08912W	16.5	148.2	0000		
2716-15504	00000/0000	2-10026/0320	01/07/77	0	9983	4313N	08944W	17.8	147.5	0000		
2716-15511	00000/0000	2-10026/0321	01/07/77	0	9983	4148N	09014W	18.5	146.9	0000		
2716-15513	00000/0000	2-10026/0322	01/07/77	0	9983	4023N	09045W	19.6	146.3	0000		
2716-15520	00000/0000	2-10026/0323	01/07/77	0	9983	3856N	09114W	20.6	145.7	0000		
2716-15522	00000/0000	2-10026/0324	01/07/77	0	9983	3730N	09143W	21.6	145.0	0000		
2716-15525	00000/0000	2-10026/0325	01/07/77	10	9983	3605N	09211W	22.6	144.4	0000		
2716-15531	00000/0000	2-10026/0326	01/07/77	10	9983	3439N	09238W	23.6	143.7	0000		
2716-15534	00000/0000	2-10026/0327	01/07/77	10	9983	3312N	09304W	24.6	143.1	0000		
2716-15540	00000/0000	2-10026/0328	01/07/77	20	9983	3146N	09330W	25.6	142.4	0000		
2716-15543	00000/0000	2-10026/0329	01/07/77	30	9983	3020N	09354W	26.5	141.7	0000		
2716-15545	00000/0000	2-10026/0330	01/07/77	10	9983	2854N	09418W	27.5	141.0	0000		
2716-15552	00000/0000	2-10026/0331	01/07/77	10	9983	2727N	09442W	28.5	140.3	0000		
2716-15554	00000/0000	2-10026/0332	01/07/77	30	9983	2601N	09505W	29.4	139.5	0000		
2716-15561	00000/0000	2-10026/0333	01/07/77	60	9983	2435N	09528W	30.3	138.7	0000		
2716-17322	00000/0000	2-10026/0334	01/07/77	70	9984	4854N	11317W	13.3	150.0	0000		
2716-17325	00000/0000	2-10026/0335	01/07/77	80	9984	4729N	11353W	14.4	149.4	0000		
2716-17331	00000/0000	2-10026/0336	01/07/77	80	9984	4604N	11428W	15.4	148.8	0000		
2716-17334	00000/0000	2-10026/0337	01/07/77	80	9984	4438N	11502W	16.5	148.1	0000		
2716-17340	00000/0000	2-10026/0338	01/07/77	80	9984	4312N	11534W	17.5	147.5	0000		
2716-17343	00000/0000	2-10026/0339	01/07/77	10	9984	4147N	11608W	18.5	146.9	0000		
2716-17345	00000/0000	2-10026/0340	01/07/77	0	9984	4021N	11635W	19.6	146.3	0000		
2716-17352	00000/0000	2-10026/0341	01/07/77	0	9984	3856N	11704W	20.6	145.7	0000		
2716-17354	00000/0000	2-10026/0342	01/07/77	10	9984	3730N	11733W	21.6	145.0	0000		
2716-17361	00000/0000	2-10026/0343	01/07/77	60	9984	3604N	11800W	22.6	144.4	0000		
2716-17363	00000/0000	2-10026/0344	01/07/77	80	9984	3439N	11827W	23.6	143.7	0000		
2716-17370	00000/0000	2-10026/0345	01/07/77	70	9984	3312N	11853W	24.6	143.1	0000		
2717-15551	00000/0000	2-10026/0346	01/08/77	40	9997	4729N	08931W	14.5	149.2	0000		
2717-17380	00000/0000	2-10026/0347	01/08/77	30	9998	4854N	11441W	13.4	149.9	0000		

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. 0=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

1813Z FEB 17, '77

 LANDSAT-2
 OBSERVATION ID LISTING
 FOR CONTIGUOUS US
 FROM 01/01/77 TO 01/31/77

PAGE 0029

OBSERVATION ID	MICROFILM POSITION IN REEL	REEL NO./ IN REEL NO.	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL REVIS 23 45678	MSS DATA MODE	MSS IMAGE GAIN
2717-17383	30000/0300	2-10024/0302	01/08/77	70	9998	4729N	11517W	14.5	149.2	0000	
2717-17385	30000/0300	2-10024/0303	01/08/77	70	9998	4604N	11552W	15.5	149.6	0000	
2717-17392	30000/0300	2-10024/0304	01/08/77	10	9998	4439N	11426W	16.6	148.1	0000	
2717-17394	30000/0300	2-10024/0305	01/08/77	10	9998	4314N	11459W	17.6	147.1	0000	
2717-17401	30000/0300	2-10024/0306	01/08/77	10	9998	4148N	11730W	18.3	146.7	0000	
2717-17403	30000/0300	2-10024/0307	01/08/77	0	9998	4024N	11801W	19.6	146.1	0000	
2717-17410	30000/0300	2-10024/0308	01/08/77	10	9998	3857N	11830W	20.7	145.5	0000	
2717-17412	30000/0300	2-10024/0309	01/08/77	10	9998	3731N	11859W	21.7	144.9	0000	
2717-17415	30000/0300	2-10024/0310	01/08/77	30	9998	3605N	11926W	22.7	144.2	0000	
2717-17421	30000/0300	2-10024/0311	01/08/77	20	9998	3438N	11953W	23.7	143.6	0000	
2717-17424	30000/0300	2-10024/0312	01/08/77	80	9998	3312N	12019W	24.7	142.9	0000	
2718-16174	30000/0300	2-10024/0313	01/09/77	10	10	4731N	06504W	14.5	149.1	0000	
2718-16180	30000/0300	2-10024/0314	01/09/77	10	10	4606N	06539W	15.6	148.5	0000	
2718-16183	30000/0300	2-10024/0315	01/09/77	10	10	4440N	06613W	16.6	147.9	0000	
2718-16185	30000/0300	2-10024/0316	01/09/77	70	10	4315N	06646W	17.7	147.2	0000	
2718-16003	30000/0300	2-10024/0331	01/09/77	0	11	4854N	09020W	13.5	149.7	0000	
2718-16005	30000/0300	2-10024/0332	01/09/77	10	11	4729N	09057W	14.6	149.1	0000	
2718-16012	30000/0300	2-10024/0333	01/09/77	0	11	4604N	09132W	15.6	148.5	0000	
2718-16014	30000/0300	2-10024/0334	01/09/77	0	11	4438N	09205W	16.6	147.8	0000	
2718-16021	30000/0300	2-10024/0335	01/09/77	30	11	4313N	09237W	17.7	147.2	0000	
2718-16023	30000/0300	2-10024/0336	01/09/77	20	11	4148N	09309W	18.7	146.6	0000	
2718-16030	30000/0300	2-10024/0351	01/09/77	80	11	4022N	09339W	19.7	146.0	0000	
2718-16032	30000/0300	2-10024/0352	01/09/77	100	11	3856N	09408W	20.7	145.3	0000	
2718-16035	30000/0300	2-10024/0353	01/09/77	100	11	3731N	09436W	21.7	144.7	0000	
2718-16041	30000/0300	2-10024/0354	01/09/77	100	11	3605N	09503W	22.7	144.0	0000	
2718-16044	30000/0300	2-10024/0355	01/09/77	90	11	3439N	09530W	23.7	143.4	0000	
2718-16050	30000/0300	2-10024/0356	01/09/77	80	11	3312N	09556W	24.7	142.7	0000	
2718-16053	30000/0300	2-10024/0357	01/09/77	70	11	3146N	09622W	25.7	142.0	0000	
2718-16055	30000/0300	2-10024/0358	01/09/77	40	11	3020N	09646W	26.6	141.3	0000	
2718-16062	30000/0300	2-10024/0359	01/09/77	60	11	2854N	09711W	27.6	140.6	0000	
2718-16064	30000/0300	2-10024/0360	01/09/77	80	11	2728N	09735W	28.5	139.9	0000	
2718-16071	30000/0300	2-10024/0361	01/09/77	90	11	2601N	09758W	29.5	139.1	0000	
2718-17443	30000/0300	2-10024/0350	01/09/77	20	12	4604N	11720W	15.6	148.4	0000	
2718-17450	30000/0300	2-10024/0362	01/09/77	10	12	4439N	11754W	16.6	147.8	0000	
2718-17452	30000/0300	2-10024/0363	01/09/77	0	12	4314N	11827W	17.7	147.2	0000	
2718-17455	30000/0300	2-10024/0364	01/09/77	0	12	4148N	11858W	18.7	146.6	0000	

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0030

OBSERVATION ID	MICROFILM RELI NO./ POSITION IN RELI RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN FLEV.	SUN AZIM.	IMAGE QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN
2718-17461	00000/0000	2-10026/0365	01/09/77	0	12 0723N	11928W	19.7	146.0	RGGB	
2718-17464	00000/0000	2-10026/0366	01/09/77	0	12 0857N	11957W	20.7	145.3	RGGB	
2718-17470	00000/0000	2-10026/0367	01/09/77	10	12 0731N	12026W	21.7	144.7	RGGB	
2718-17473	00000/0000	2-10026/0368	01/09/77	10	12 0675N	12053W	22.7	144.0	RGGB	
2718-17475	00000/0000	2-10026/0369	01/09/77	10	12 0639N	12120W	23.7	143.4	RGGB	
2719-14232	00000/0000	2-10026/0370	01/10/77	60	24 0730N	06633W	14.6	148.9	RGGB	
2719-14234	00000/0000	2-10026/0371	01/10/77	90	24 0605N	06708W	15.7	148.3	RGGB	
2719-14241	00000/0000	2-10026/0372	01/10/77	90	24 0440N	06742W	16.7	147.7	RGGB	
2719-14243	00000/0000	2-10026/0373	01/10/77	100	24 0315N	06814W	17.7	147.1	RGGB	
2719-14250	00000/0000	2-10026/0376	01/10/77	100	24 0149N	06845W	18.8	146.4	RGGB	
2719-14252	00000/0000	2-10026/0374	01/10/77	100	24 0023N	06916W	19.8	145.8	RGGB	
2719-14255	00000/0000	2-10026/0375	01/10/77	100	24 3458N	06946W	20.8	145.2	RGGB	
2719-16064	00000/0000	2-10026/0377	01/10/77	0	25 0730N	09222W	14.6	148.9	RGGB	
2719-16070	00000/0000	2-10026/0378	01/10/77	0	25 0605N	09257W	15.7	148.3	RGGB	
2719-16073	00000/0000	2-10026/0379	01/10/77	0	25 0440N	09331W	16.7	147.7	RGGB	
2719-16075	00000/0000	2-10026/0380	01/10/77	0	25 0314N	09403W	17.8	147.1	RGGB	
2719-16082	00000/0000	2-10026/0381	01/10/77	0	25 0149N	09434W	18.8	146.4	RGGB	
2719-16084	00000/0000	2-10026/0382	01/10/77	0	25 0023N	09504W	19.8	145.8	RGGB	
2719-16091	00000/0000	2-10026/0383	01/10/77	0	25 3857N	09533W	20.8	145.2	RGGB	
2719-16093	00000/0000	2-10026/0384	01/10/77	0	25 3732N	09601W	21.8	144.5	RGGB	
2719-16102	00000/0000	2-10026/0385	01/10/77	0	25 3639N	09656W	23.8	143.2	RGGB	
2719-16105	00000/0000	2-10026/0386	01/10/77	0	25 3313N	09723W	24.8	142.5	RGGB	
2719-16111	00000/0000	2-10026/0387	01/10/77	0	25 3147N	09748W	25.7	141.8	RGGB	
2719-16114	00000/0000	2-10026/0388	01/10/77	0	25 3021N	09813W	26.7	141.1	RGGB	
2719-16120	00000/0000	2-10026/0389	01/10/77	0	25 2854N	09837W	27.6	140.4	RGGB	
2719-16123	00000/0000	2-10026/0390	01/10/77	0	25 2728N	09901W	28.6	139.7	RGGB	
2719-16125	00000/0000	2-10026/0391	01/10/77	70	25 2602N	09924W	29.5	138.9	RGGB	
2719-17493	00000/0000	2-10026/0392	01/10/77	60	26 0455N	11735W	13.6	149.6	RGGB	
2719-17495	00000/0000	2-10026/0393	01/10/77	90	26 0730N	11812W	14.7	148.9	RGGB	
2719-17502	00000/0000	2-10026/0394	01/10/77	90	26 0605N	11847W	15.7	148.3	RGGB	
2719-17504	00000/0000	2-10026/0395	01/10/77	90	26 0439N	11921W	16.7	147.7	RGGB	
2719-17511	00000/0000	2-10026/0396	01/10/77	80	26 0313N	11953W	17.8	147.0	RGGB	
2719-17513	00000/0000	2-10026/0397	01/10/77	90	26 0148N	12024W	18.8	146.4	RGGB	
2719-17520	00000/0000	2-10026/0398	01/10/77	60	26 0024N	12054W	19.8	145.8	RGGB	
2719-17522	00000/0000	2-10026/0399	01/10/77	30	26 3856N	12123W	20.8	145.1	RGGB	
2719-17525	00000/0000	2-10026/0400	01/10/77	70	26 3730N	12152W	21.8	144.5	RGGB	

KEYS: CLOUD COVER 0 TO 100 = CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0031

OBSERVATION ID	MICROFILM POSITION IN REEL RSLV	ROLL NO./ IN REEL MSR	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RSLV	MSR 123	MSR 45678	MSR DATA MODE	MSR IMAGE GAIN
2719-17531	00000/0000	2-10026/0401	01/10/77	70	26	3604N	12219W	22.8	143.9	0000				
2719-17534	00000/0000	2-10026/0402	01/10/77	50	26	3678N	12246W	23.8	143.2	0000				
2720-14290	00000/0000	2-10026/0403	01/11/77	30	38	4731N	06759W	14.7	148.8	0000				
2720-14293	00000/0000	2-10026/0404	01/11/77	20	38	4605N	06834W	15.8	148.2	0000				
2720-14295	00000/0000	2-10026/0405	01/11/77	20	38	4440N	06908W	16.8	147.5	0000				
2720-14302	00000/0000	2-10026/0406	01/11/77	50	38	4314N	06961W	17.8	146.9	0000				
2720-14304	00000/0000	2-10026/0407	01/11/77	40	38	4149N	07012W	18.9	146.3	0000				
2720-14311	00000/0000	2-10026/0408	01/11/77	90	38	4023N	07042W	19.9	145.6	0000				
2720-14313	00000/0000	2-10026/0409	01/11/77	90	38	3857N	07112W	20.9	145.0	0000				
2720-14320	00000/0000	2-10026/0410	01/11/77	90	38	3731N	07140W	21.9	144.4	0000				
2720-14322	00000/0000	2-10026/0411	01/11/77	90	38	3605N	07208W	22.9	143.7	0000				
2720-16115	00000/0000	2-10026/0424	01/11/77	10	39	4855N	09310W	13.7	149.4	0000				
2720-16122	00000/0000	2-10026/0425	01/11/77	20	39	4730N	09347W	14.8	148.8	0000				
2720-16124	00000/0000	2-10026/0426	01/11/77	30	39	4605N	09423W	15.8	148.1	0000				
2720-16131	00000/0000	2-10026/0427	01/11/77	20	39	4439N	09457W	16.8	147.5	0000				
2720-16133	00000/0000	2-10026/0428	01/11/77	10	39	4314N	09529W	17.8	146.9	0000				
2720-16140	00000/0000	2-10026/0429	01/11/77	50	39	4148N	09600W	18.9	146.3	0000				
2720-16142	00000/0000	2-10026/0430	01/11/77	20	39	4023N	09630W	19.9	145.6	0000				
2720-16145	00000/0000	2-10026/0431	01/11/77	10	39	3857N	09700W	20.9	145.0	0000				
2720-16151	00000/0000	2-10026/0432	01/11/77	10	39	3731N	09728W	21.9	144.3	0000				
2720-16154	00000/0000	2-10026/0433	01/11/77	10	39	3605N	09755W	22.9	143.7	0000				
2720-16160	00000/0000	2-10026/0434	01/11/77	10	39	3439N	09822W	23.9	143.0	0000				
2720-16163	00000/0000	2-10026/0435	01/11/77	10	39	3313N	09848W	24.8	142.3	0000				
2720-16165	00000/0000	2-10026/0436	01/11/77	50	39	3147N	09913W	25.8	141.7	0000				
2720-16172	00000/0000	2-10026/0437	01/11/77	100	39	3004N	09938W	26.8	140.9	0000				
2720-16174	00000/0000	2-10026/0438	01/11/77	100	39	2854N	10002W	27.7	140.2	0000				
2720-16181	00000/0000	2-10026/0439	01/11/77	100	39	2728N	10026W	28.6	139.5	0000				
2720-16183	00000/0000	2-10026/0440	01/11/77	80	39	2602N	10049W	29.6	138.7	0000				
2720-17553	00000/0000	2-10026/0441	01/11/77	90	40	4730N	11938W	14.8	148.8	0000				
2720-17560	00000/0000	2-10026/0442	01/11/77	90	40	4605N	12013W	15.8	148.1	0000				
2720-17562	00000/0000	2-10026/0443	01/11/77	80	40	4440N	12047W	16.8	147.5	0000				
2720-17565	00000/0000	2-10026/0444	01/11/77	60	40	4314N	12119W	17.9	146.9	0000				
2720-17571	00000/0000	2-10026/0445	01/11/77	50	40	4148N	12151W	18.9	146.2	0000				
2720-17574	00000/0000	2-10026/0446	01/11/77	50	40	4023N	12221W	19.9	145.6	0000				
2720-17580	00000/0000	2-10026/0447	01/11/77	50	40	3857N	12250W	20.9	145.0	0000				
2720-17583	00000/0000	2-10026/0448	01/11/77	60	40	3731N	12318W	21.9	144.3	0000				

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18133 FEB 17, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0032

OBSERVATION ID	MICROFILM POSITION REV	ROLL NO./ IN ROLL 482	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL REV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2720-17585	00000/0000	2-10026/0409	01/11/77	70	40	3605N	12345W	22.9	143.7	RG00		
2721-14344	00000/0000	2-10026/0412	01/12/77	20	52	4731N	06923W	14.9	148.6	RG00		
2721-14351	00000/0000	2-10026/0413	01/12/77	50	52	4605N	06958W	15.9	148.0	RG00		
2721-14353	00000/0000	2-10026/0414	01/12/77	30	52	4440N	07032W	16.9	147.4	RG00		
2721-14360	00000/0000	2-10026/0415	01/12/77	20	52	4315N	07105W	17.9	146.7	RG00		
2721-14362	00000/0000	2-10026/0416	01/12/77	90	52	4149N	07137W	19.0	146.1	RG00		
2721-14365	00000/0000	2-10026/0417	01/12/77	90	52	4023N	07208W	20.0	145.5	RG00		
2721-14371	00000/0000	2-10026/0418	01/12/77	80	52	3857N	07237W	21.0	144.8	RG00		
2721-14374	00000/0000	2-10026/0419	01/12/77	70	52	3731N	07306W	22.0	144.2	RG00		
2721-14380	00000/0000	2-10026/0420	01/12/77	40	52	3605N	07333W	23.0	143.5	RG00		
2721-14383	00000/0000	2-10026/0421	01/12/77	40	52	3439N	07400W	23.9	142.9	RG00		
2721-14385	00000/0000	2-10026/0422	01/12/77	60	52	3313N	07426W	24.9	142.2	RG00		
2721-14392	00000/0000	2-10026/0423	01/12/77	80	52	3147N	07452W	25.9	141.5	RG00		
2721-16173	00000/0000	2-10026/0453	01/12/77	0	53	4855N	09439W	13.8	147.3	RG00		
2721-16180	00000/0000	2-10026/0454	01/12/77	0	53	4730N	09516W	14.9	148.6	RG00		
2721-16182	00000/0000	2-10026/0455	01/12/77	0	53	4605N	09550W	15.9	148.0	RG00		
2721-16185	00000/0000	2-10026/0456	01/12/77	10	53	4440N	09624W	16.9	147.4	RG00		
2721-16191	00000/0000	2-10026/0457	01/12/77	40	53	4314N	09656W	18.0	146.7	RG00		
2721-16194	00000/0000	2-10026/0458	01/12/77	20	53	4149N	09727W	19.0	146.1	RG00		
2721-16200	00000/0000	2-10026/0459	01/12/77	10	53	4023N	09757W	20.0	145.5	RG00		
2721-16203	00000/0000	2-10026/0460	01/12/77	10	53	3857N	09827W	21.0	144.8	RG00		
2721-16205	00000/0000	2-10026/0461	01/12/77	70	53	3731N	09855W	22.0	144.2	RG00		
2721-16212	00000/0000	2-10026/0462	01/12/77	80	53	3605N	09923W	23.0	143.5	RG00		
2721-16214	00000/0000	2-10026/0463	01/12/77	100	53	3439N	09950W	24.0	142.8	RG00		
2721-16221	00000/0000	2-10026/0464	01/12/77	100	53	3313N	10016W	24.9	142.2	RG00		
2721-16223	00000/0000	2-10026/0465	01/12/77	100	53	3147N	10041W	25.9	141.5	RG00		
2721-16230	00000/0000	2-10026/0466	01/12/77	90	53	3021N	10106W	26.8	140.8	RG00		
2721-16232	00000/0000	2-10026/0467	01/12/77	90	53	2854N	10130W	27.8	140.0	RG00		
2721-16235	00000/0000	2-10026/0468	01/12/77	60	53	2728N	10154W	28.7	139.3	RG00		
2722-14450	00000/0000	2-10026/0469	01/13/77	50	66	3147N	07618W	26.0	141.3	GG00		
2722-14453	00000/0000	2-10026/0470	01/13/77	60	66	3020N	07643W	26.9	140.6	GG00		
2722-14455	00000/0000	2-10026/0471	01/13/77	20	66	2854N	07707W	27.9	139.8	GG00		
2722-14462	00000/0000	2-10026/0472	01/13/77	30	66	2728N	07731W	28.8	139.1	GG00		
2722-16232	00000/0000	2-10026/0491	01/13/77	40	67	4855N	09603W	14.0	149.1	RG00		
2722-16234	00000/0000	2-10026/0492	01/13/77	30	67	4730N	09640W	15.0	148.5	RG00		
2722-16241	00000/0000	2-10026/0493	01/13/77	80	67	4605N	09715W	16.0	147.8	RG00		

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0033

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	SUNBIT NUMBER	PRINCIPAL OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2722-16243	30000/0000	2-10026/0494	01/13/77	80	67	4440N	09749W	17.0	147.2	FGG3		
2722-16250	30000/0000	2-10026/0495	01/13/77	50	67	4314N	09821W	18.1	146.5	RGGS		
2722-16252	30000/0000	2-10026/0496	01/13/77	10	67	4149N	09852W	19.1	145.9	RGGS		
2722-16255	30000/0000	2-10026/0497	01/13/77	10	67	4023N	09922W	20.1	145.3	RGGS		
2722-16261	30000/0000	2-10026/0498	01/13/77	10	67	3857N	09951W	21.1	144.6	RGGS		
2722-16264	30000/0000	2-10026/0499	01/13/77	10	67	3731N	10020W	22.1	144.0	RGGS		
2722-16270	30000/0000	2-10026/0500	01/13/77	10	67	3605N	10047W	23.1	143.3	RGGS		
2722-16273	30000/0000	2-10026/0501	01/13/77	10	67	3439N	10114W	24.0	142.6	PPPP		
2722-16275	30000/0000	2-10026/0502	01/13/77	50	67	3313N	10140W	25.0	142.0	RGGS		
2722-16282	30000/0000	2-10026/0503	01/13/77	90	67	3147N	10206W	26.0	141.3	RGGS		
2722-16284	30000/0000	2-10026/0504	01/13/77	50	67	3020N	10231W	26.9	140.6	RGGS		
2722-16291	30000/0000	2-10026/0505	01/13/77	70	67	2855N	10255W	27.9	139.8	RGGS		
2722-16293	30000/0000	2-10026/0506	01/13/77	90	67	2728N	10319W	28.8	139.1	RGGS		
2722-18063	30000/0000	2-10026/0507	01/13/77	90	68	4856N	12150W	14.0	149.1	RGGS		
2722-18070	30000/0000	2-10026/0508	01/13/77	50	68	4731N	12227W	15.0	148.4	RGGS		
2722-18072	30000/0000	2-10026/0509	01/13/77	40	68	4605N	12303W	16.0	147.8	RGGS		
2722-18075	30000/0000	2-10026/0510	01/13/77	70	68	4440N	12337W	17.1	147.2	FGG3		
2722-18081	30000/0000	2-10026/0511	01/13/77	90	68	4314N	12410W	18.1	146.5	RGGS		
2722-18084	30000/0000	2-10026/0512	01/13/77	90	68	4149N	12441W	19.1	145.9	RGGS		
2722-18090	30000/0000	2-10026/0513	01/13/77	80	68	4023N	12512W	20.1	145.3	FGG3		
2722-18093	30000/0000	2-10026/0514	01/13/77	50	68	3856N	12541W	21.1	144.6	RGGS		
2723-14461	30000/0000	2-10026/0518	01/14/77	0	80	4730N	07218W	15.1	148.3	RGGS		
2723-14463	30000/0000	2-10026/0519	01/14/77	10	80	4605N	07253W	16.1	147.7	RGGS		
2723-14470	30000/0000	2-10026/0520	01/14/77	90	80	4440N	07327W	17.2	147.0	RGGS		
2723-14472	30000/0000	2-10026/0521	01/14/77	100	80	4314N	07359W	18.2	146.4	RGGS		
2723-14475	30000/0000	2-10026/0522	01/14/77	100	80	4149N	07430W	19.2	145.8	RGGS		
2723-14481	30000/0000	2-10026/0523	01/14/77	100	80	4023N	07500W	20.2	145.1	RGGS		
2723-14484	30000/0000	2-10026/0524	01/14/77	90	80	3857N	07530W	21.2	144.5	RGGS		
2723-14490	30000/0000	2-10026/0525	01/14/77	90	80	3731N	07558W	22.2	143.8	RGGS		
2723-14493	30000/0000	2-10026/0526	01/14/77	100	80	3605N	07625W	23.2	143.1	RGGS		
2723-14495	30000/0000	2-10026/0527	01/14/77	90	80	3440N	07651W	24.1	142.5	FFFF		
2723-14502	30000/0000	2-10026/0528	01/14/77	90	80	3313N	07717W	25.1	141.8	FFFF		
2723-14504	30000/0000	2-10026/0529	01/14/77	90	80	3147N	07743W	26.1	141.1	GGGG		
2723-14511	30000/0000	2-10026/0530	01/14/77	90	80	3021N	07767W	27.0	140.4	GGGG		
2723-14513	2-10026/0877	2-10026/0533	01/14/77	60	40	2855N	07824W	27.9	139.6	GGG	GG	M
2723-14520	2-10026/0878	2-10026/0531	01/14/77	40	80	2728N	07844W	28.9	138.9	GGG	GGGG	M

KEYS: CLOUD COVER % 0 TO 100 % & CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 1977

1 AM78AY-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0034

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER NUMBER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV	IMAGE QUAL MSS	MSS DATA MODE	MSS IMAGE GAIN
2723-14522	2-10026/0879	01/14/77	50	80	2602N	07919W	29.3	138.1	G3G	GGG		M
2723-16292	00000/0000	01/14/77	90	81	4730N	09808W	15.1	148.3		GGFF		
2723-16295	00000/0000	01/14/77	90	81	4675N	09843W	16.1	147.7		GGG		
2723-16301	00000/0000	01/14/77	70	81	4440N	09916W	17.2	147.0		GGG		
2723-16304	00000/0000	01/14/77	20	81	4314N	09948W	18.2	146.4		GGG		
2723-16310	00000/0000	01/14/77	20	81	4148N	10019W	19.2	145.7		GGG		
2723-16313	00000/0000	01/14/77	0	81	4023N	10049W	20.2	145.1		GGG		
2723-16315	00000/0000	01/14/77	0	81	3857N	10118W	21.2	144.4		GGG		
2723-16322	00000/0000	01/14/77	40	81	3731N	10147W	22.2	143.8		GGG		
2723-16324	00000/0000	01/14/77	20	81	3605N	10214W	23.2	143.1		GGG		
2723-16331	00000/0000	01/14/77	60	81	3439N	10241W	24.1	142.5		GGG		
2723-16333	00000/0000	01/14/77	20	81	3313N	10307W	25.1	141.8		GGG		
2723-16340	00000/0000	01/14/77	10	81	3146N	10332W	26.1	141.1		GGG		
2723-16342	00000/0000	01/14/77	40	81	3020N	10357W	27.0	140.3		GGG		
2723-16345	00000/0000	01/14/77	10	81	2854N	10421W	27.9	139.6		GGG		
2723-16351	00000/0000	01/14/77	0	81	2727N	10445W	28.9	138.9		GGG		
2723-18124	00000/0000	01/14/77	90	82	4730N	12355W	15.1	148.3		GGG		
2723-18130	00000/0000	01/14/77	90	82	4604N	12430W	16.2	147.6		GGG		
2723-18133	00000/0000	01/14/77	90	82	4439N	12504W	17.2	147.0		GGG		
2724-14510	00000/0000	01/15/77	20	94	4729N	07344W	15.2	148.1		GGG		
2724-14521	00000/0000	01/15/77	20	94	4604N	07419W	16.3	147.5		GGG		
2724-14524	00000/0000	01/15/77	20	94	4438N	07453W	17.3	146.9		GGG		
2724-14530	00000/0000	01/15/77	40	94	4313N	07525W	18.3	146.2		GGG		
2724-14533	00000/0000	01/15/77	40	94	4148N	07556W	19.3	145.6		GGG		
2724-14535	00000/0000	01/15/77	40	94	4023N	07626W	20.3	144.9		GGG		
2724-14542	00000/0000	01/15/77	10	94	3857N	07655W	21.3	144.3		GGG		
2724-14544	00000/0000	01/15/77	20	94	3731N	07723W	22.3	143.6		GGG		
2724-14551	00000/0000	01/15/77	90	94	3605N	07751W	23.3	143.0		GGG		
2724-14553	00000/0000	01/15/77	90	94	3439N	07818W	24.2	142.3		GGG		
2724-14560	00000/0000	01/15/77	70	94	3313N	07844W	25.2	141.6		GGG		
2724-14562	00000/0000	01/15/77	60	94	3147N	07909W	26.2	140.9		GGG		
2724-14565	00000/0000	01/15/77	70	94	3021N	07934W	27.1	140.2		GGG		
2724-14571	00000/0000	01/15/77	70	94	2854N	07959W	28.0	139.4		GGG		
2724-14574	00000/0000	01/15/77	90	94	2727N	08023W	28.9	138.7		GGG		
2724-16353	00000/0000	01/15/77	20	95	4605N	10009W	16.3	147.5		GGG		
2724-16360	00000/0000	01/15/77	10	95	4439N	10042W	17.3	146.8		GGG		

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 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0035

OBSERVATION ID	MICROFILM REEL NO./ POSITION IN REEL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT LONG	SUN FLEV.	SUN AZIM.	IMAGE QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN
2724-16362	00000/0000 2-10026/0566	01/15/77	10	95	4354N	10115W	18.3	146.2	RG63		
2724-16365	00000/0000 2-10026/0567	01/15/77	60	95	4148N	10146W	19.3	145.6	RG63		
2724-16371	00000/0000 2-10026/0568	01/15/77	70	95	4022N	10216W	20.3	144.9	RG63		
2724-16374	00000/0000 2-10026/0569	01/15/77	80	95	3856N	10245W	21.3	144.3	RG63		
2724-16380	00000/0000 2-10026/0570	01/15/77	20	95	3730N	10313W	22.3	143.6	RG63		
2724-16383	00000/0000 2-10026/0571	01/15/77	10	95	3604N	10340W	23.3	142.9	RG63		
2724-16385	00000/0000 2-10026/0572	01/15/77	0	95	3438N	10406W	24.3	142.3	RG63		
2724-16392	00000/0000 2-10026/0573	01/15/77	0	95	3313N	10432W	25.2	141.6	RG63		
2724-16394	00000/0000 2-10026/0574	01/15/77	0	95	3147N	10458W	26.2	140.9	RG63		
2724-16401	00000/0000 2-10026/0575	01/15/77	0	95	3021N	10523W	27.1	140.1	RG63		
2724-16403	00000/0000 2-10026/0576	01/15/77	0	95	2854N	10547W	28.0	139.4	RG63		
2724-18180	00000/0000 2-10026/0577	01/15/77	80	96	4855N	12445W	14.2	148.8	RG63		
2724-18182	00000/0000 2-10026/0578	01/15/77	80	96	4729N	12523W	15.3	148.1	RG63		
2724-18185	00000/0000 2-10026/0579	01/15/77	70	96	4604N	12558W	16.3	147.5	RG63		
2725-14582	00000/0000 2-10026/0552	01/16/77	40	108	4438N	07618W	17.4	146.7	RG63		
2725-14585	00000/0000 2-10026/0553	01/16/77	40	108	4313N	07651W	18.4	146.0	RG63		
2725-14591	00000/0000 2-10026/0554	01/16/77	70	108	4148N	07722W	19.4	145.4	RG63		
2725-14594	00000/0000 2-10026/0555	01/16/77	50	108	4022N	07752W	20.4	144.7	RG63		
2725-15000	00000/0000 2-10026/0556	01/16/77	80	108	3856N	07821W	21.4	144.1	RG63		
2725-15003	00000/0000 2-10026/0557	01/16/77	70	108	3730N	07849W	22.4	143.4	RG63		
2725-15005	00000/0000 2-10026/0558	01/16/77	50	108	3605N	07917W	23.4	142.8	RG63		
2725-15012	00000/0000 2-10026/0559	01/16/77	10	108	3439N	07943W	24.4	142.1	RG63		
2725-15014	00000/0000 2-10026/0560	01/16/77	10	108	3312N	08009W	25.3	141.4	RG63		
2725-15021	00000/0000 2-10026/0561	01/16/77	10	108	3146N	08035W	26.3	140.7	RG63		
2725-15023	00000/0000 2-10026/0562	01/16/77	10	108	3020N	08100W	27.2	139.9	RG63		
2725-15030	00000/0000 2-10026/0563	01/16/77	20	108	2854N	08124W	28.1	139.2	RG63		
2725-16402	00000/0000 2-10026/0588	01/16/77	10	109	4854N	10023W	14.4	148.6	RG63		
2725-16405	00000/0000 2-10026/0589	01/16/77	10	109	4729N	10053W	15.4	148.0	RG63		
2725-16420	00000/0000 2-10026/0590	01/16/77	80	109	4313N	10240W	18.5	146.0	RG63		
2725-16423	00000/0000 2-10026/0591	01/16/77	80	109	4148N	10311W	19.5	145.4	RG63		
2725-16425	00000/0000 2-10026/0592	01/16/77	60	109	4021N	10341W	20.5	144.7	RG63		
2725-16432	00000/0000 2-10026/0593	01/16/77	20	109	3855N	10410W	21.4	144.1	RG63		
2725-16434	00000/0000 2-10026/0594	01/16/77	10	109	3729N	10438W	22.4	143.4	RG63		
2725-16441	00000/0000 2-10026/0595	01/16/77	20	109	3603N	10506W	23.4	142.7	RG63		
2725-16443	00000/0000 2-10026/0596	01/16/77	10	109	3437N	10532W	24.4	142.1	RG63		
2725-16450	00000/0000 2-10026/0597	01/16/77	10	109	3311N	10558W	25.3	141.4	RG63		

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18133 FEB 17, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0036

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2725-16452	30000/0000	2-10026/0598	01/16/77	10	109	3145N	10624W	26.3	140.7	RGGB		
2725-16453	30000/0000	2-10026/0599	01/16/77	10	109	3019N	10648W	27.2	139.9	RGGB		
2726-15043	30000/0000	2-10026/0600	01/17/77	60	122	4313N	07817W	18.6	145.9	RGGB		
2726-15045	30000/0000	2-10026/0601	01/17/77	20	122	4148N	07848W	19.6	145.2	RGGB		
2726-15052	30000/0000	2-10026/0602	01/17/77	10	122	4022N	07918W	20.6	144.6	RGGB		
2726-15054	30000/0000	2-10026/0603	01/17/77	10	122	3856N	07947W	21.6	143.9	RGGB		
2726-15061	30000/0000	2-10026/0604	01/17/77	0	122	3731N	08015W	22.5	143.2	RGGB		
2726-15063	30000/0000	2-10026/0605	01/17/77	0	122	3605N	08043W	23.5	142.6	RGGB		
2726-15070	30000/0000	2-10026/0606	01/17/77	0	122	3438N	08110W	24.5	141.9	RGGB		
2726-15072	30000/0000	2-10026/0607	01/17/77	0	122	3312N	08136W	25.4	141.2	RGGB		
2726-15075	30000/0000	2-10026/0608	01/17/77	0	122	3146N	08202W	26.4	140.5	RGGB		
2726-15081	30000/0000	2-10026/0609	01/17/77	30	122	3020N	08226W	27.3	139.7	RGGB		
2726-15084	30000/0000	2-10026/0610	01/17/77	10	122	2854N	08251W	28.2	139.0	RGGB		
2726-16460	30000/0000	2-10026/0739	01/17/77	0	123	4854N	10149W	14.5	148.5	RGGB		
2726-16463	30000/0000	2-10026/0740	01/17/77	10	123	4799N	10226W	15.6	147.8	RGGB		
2726-16465	30000/0000	2-10026/0741	01/17/77	60	123	4604N	10301W	16.6	147.1	RGGB		
2726-16472	30000/0000	2-10026/0742	01/17/77	90	123	4438N	10335W	17.6	146.5	RGGB		
2726-16474	30000/0000	2-10026/0743	01/17/77	90	123	4313N	10407W	18.6	145.8	RGGB		
2726-16481	30000/0000	2-10026/0744	01/17/77	90	123	4147N	10438W	19.6	145.2	RGGB		
2726-16483	30000/0000	2-10026/0745	01/17/77	70	123	4022N	10508W	20.6	144.5	RGGB		
2726-16490	30000/0000	2-10026/0746	01/17/77	30	123	3855N	10537W	21.6	143.9	RGGB		
2726-16492	30000/0000	2-10026/0747	01/17/77	10	123	3730N	10605W	22.6	143.2	RGGB		
2726-16495	30000/0000	2-10026/0748	01/17/77	0	123	3603N	10633W	23.5	142.5	RGGB		
2726-16501	30000/0000	2-10026/0749	01/17/77	0	123	3437N	10659W	24.5	141.9	RGGB		
2726-16504	30000/0000	2-10026/0750	01/17/77	40	123	3311N	10726W	25.4	141.2	RGGB		
2726-16510	30000/0000	2-10026/0751	01/17/77	10	123	3145N	10751W	26.4	140.4	RGGB		
2726-16513	30000/0000	2-10026/0752	01/17/77	0	123	3018N	10816W	27.3	139.7	RGGB		
2726-16515	30000/0000	2-10026/0753	01/17/77	10	123	2852N	10840W	28.2	139.0	RGGB		
2727-15083	30000/0000	2-10026/0623	01/18/77	90	136	4854N	07725W	14.7	148.3	RGGB		
2727-15090	30000/0000	2-10026/0624	01/18/77	90	136	4729N	07801W	15.7	147.6	RGGB		
2727-15092	30000/0000	2-10026/0625	01/18/77	50	136	4604N	07835W	16.7	147.0	RGGB		
2727-15095	30000/0000	2-10026/0626	01/18/77	30	136	4438N	07909W	17.7	146.3	RGGB		
2727-15101	30000/0000	2-10026/0627	01/18/77	10	136	4312N	07942W	18.7	145.7	RGGB		
2727-15104	30000/0000	2-10026/0628	01/18/77	10	136	4147N	08013W	19.7	145.0	RGGB		
2727-15110	30000/0000	2-10026/0629	01/18/77	10	136	4021N	08043W	20.7	144.4	RGGB		
2727-15113	30000/0000	2-10026/0630	01/18/77	40	136	3856N	08112W	21.7	143.7	RGGB		

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS-BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0037

OBSERVATION ID	WICKS FILM POSITION IN RBV	ROLL NO./ REEL MSB	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN FLEV.	SUN AZIM.	IMAGE QUAL RBV MSB 123 45678	MSB DATA MODE	MSB IMAGE GAIN
2727-15115	00000/0000	2-10026/0631	01/18/77	10	136	3730N	08140W	22.7	143.0	0000		
2727-15122	00000/0000	2-10026/0632	01/18/77	30	136	3604N	08207W	23.7	142.4	0000		
2727-15124	00000/0000	2-10026/0633	01/18/77	10	136	3438N	08234W	24.6	141.7	0000		
2727-15131	00000/0000	2-10026/0634	01/18/77	90	136	3312N	08301W	25.6	141.0	0000		
2727-15133	00000/0000	2-10026/0635	01/18/77	80	136	3146N	08326W	26.5	140.2	0000		
2727-15140	00000/0000	2-10026/0636	01/18/77	40	136	3020N	08351W	27.4	139.5	0000		
2727-16515	00000/0000	2-10026/0639	01/18/77	90	137	4854N	10312W	14.7	148.3	0000		
2727-16521	00000/0000	2-10026/0640	01/18/77	80	137	4729N	10350W	15.7	147.6	0000		
2727-16524	00000/0000	2-10026/0641	01/18/77	90	137	4603N	10425W	16.7	147.0	0000		
2727-16530	00000/0000	2-10026/0642	01/18/77	90	137	4438N	10459W	17.7	146.3	0000		
2727-16533	00000/0000	2-10026/0643	01/18/77	90	137	4313N	10531W	18.7	145.7	0000		
2727-16535	00000/0000	2-10026/0644	01/18/77	90	137	4147N	10602W	19.7	145.0	0000		
2727-16542	00000/0000	2-10026/0645	01/18/77	40	137	4022N	10633W	20.7	144.4	0000		
2727-16544	00000/0000	2-10026/0646	01/18/77	10	137	3856N	10702W	21.7	143.7	0000		
2727-16551	00000/0000	2-10026/0647	01/18/77	0	137	3730N	10730W	22.7	143.0	0000		
2727-16553	00000/0000	2-10026/0648	01/18/77	0	137	3604N	10758W	23.7	142.3	0000		
2727-16560	00000/0000	2-10026/0649	01/18/77	0	137	3438N	10825W	24.6	141.7	0000		
2727-16562	00000/0000	2-10026/0650	01/18/77	10	137	3312N	10852W	25.6	140.9	0000		
2727-16565	00000/0000	2-10026/0651	01/18/77	30	137	3146N	10917W	26.5	140.2	0000		
2727-16571	00000/0000	2-10026/0652	01/18/77	10	137	3019N	10942W	27.4	139.5	0000		
2728-15141	00000/0000	2-10026/0611	01/19/77	60	150	4853N	07852W	14.9	148.1	0000		
2728-15144	00000/0000	2-10026/0612	01/19/77	30	150	4728N	07929W	15.9	147.5	0000		
2728-15150	00000/0000	2-10026/0613	01/19/77	30	150	4603N	08004W	16.9	146.8	0000		
2728-15153	00000/0000	2-10026/0614	01/19/77	40	150	4438N	08038W	17.9	146.2	0000		
2728-15155	00000/0000	2-10026/0615	01/19/77	80	150	4313N	08109W	18.9	145.5	0000		
2728-15162	00000/0000	2-10026/0616	01/19/77	90	150	4147N	08140W	19.9	144.8	0000		
2728-15164	00000/0000	2-10026/0617	01/19/77	80	150	4022N	08210W	20.9	144.2	0000		
2728-15171	00000/0000	2-10026/0618	01/19/77	80	150	3856N	08239W	21.9	143.5	0000		
2728-15173	00000/0000	2-10026/0619	01/19/77	80	150	3730N	08308W	22.8	142.8	0000		
2728-15180	00000/0000	2-10026/0620	01/19/77	60	150	3604N	08336W	23.8	142.2	0000		
2728-15182	00000/0000	2-10026/0621	01/19/77	10	150	3438N	08403W	24.7	141.5	0000		
2728-15200	00000/0000	2-10026/0622	01/19/77	80	150	2853N	08544W	28.5	138.5	0000		
2728-16573	00000/0000	2-10026/0653	01/19/77	0	151	4854N	10439W	14.9	148.1	0000		
2728-16575	00000/0000	2-10026/0654	01/19/77	0	151	4729N	10516W	15.9	147.5	0000		
2728-16582	00000/0000	2-10026/0655	01/19/77	0	151	4603N	10552W	16.9	146.8	0000		
2728-16591	00000/0000	2-10026/0656	01/19/77	10	151	4313N	10628W	18.9	145.5	0000		

KEYS: CLOUD COVER 1 0 TO 100 = 1 CLOUD COVER.
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. 0=GOOD. P=POOR. F=FAIR.
 MSB DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSB IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTINUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0038

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV	QUAL 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2728-16593	30000/0300	2-10024/0657	01/19/77	10	151	4147N	10730W	19.9	144.8		FFGG	
2728-17000	30000/0300	2-10024/0658	01/19/77	10	151	4021N	10800W	20.9	144.2		GGGG	
2728-17002	30000/0300	2-10024/0659	01/19/77	0	151	3855N	10829W	21.9	143.5		GGGG	
2728-17005	30000/0300	2-10024/0660	01/19/77	10	151	3729N	10856W	22.8	142.8		GGGG	
2728-17011	30000/0300	2-10024/0661	01/19/77	10	151	3602N	10923W	23.8	142.1		GGGG	
2728-17014	30000/0300	2-10024/0662	01/19/77	30	151	3436N	10950W	24.8	141.4		GGGG	
2728-17020	30000/0300	2-10024/0663	01/19/77	10	151	3311N	11017W	25.7	140.7		GGGG	
2728-17023	30000/0300	2-10024/0664	01/19/77	0	151	3145N	11042W	26.6	140.0		GGGG	
2728-17025	30000/0300	2-10024/0665	01/19/77	10	151	3019N	11107W	27.6	139.3		GGGG	
2729-15195	30000/0300	2-10024/0697	01/20/77	20	164	4853N	08017W	15.0	148.0		GGGG	
2729-15202	30000/0300	2-10024/0698	01/20/77	30	164	4728N	08053W	16.0	147.3		GGGG	
2729-15204	30000/0300	2-10024/0699	01/20/77	20	164	4603N	08129W	17.1	146.6		GGGG	
2729-15211	30000/0300	2-10024/0700	01/20/77	80	164	4438N	08203W	18.1	146.0		GGGG	
2729-15213	30000/0300	2-10024/0701	01/20/77	40	164	4312N	08236W	19.1	145.3		GGGG	
2729-15220	30000/0300	2-10024/0702	01/20/77	10	164	4147N	08307W	20.0	144.7		GGGG	
2729-15222	30000/0300	2-10024/0703	01/20/77	20	164	4021N	08338W	21.0	144.0		GGGG	
2729-15225	30000/0300	2-10024/0704	01/20/77	50	164	3855N	08407W	22.0	143.3		GGGG	
2729-15231	30000/0300	2-10024/0705	01/20/77	90	164	3729N	08435W	23.0	142.6		GGGG	
2729-15234	30000/0300	2-10024/0706	01/20/77	90	164	3604N	08502W	23.9	142.0		GGGG	
2729-15240	30000/0300	2-10024/0707	01/20/77	70	164	3438N	08529W	24.9	141.3		GGGG	
2729-15243	30000/0300	2-10024/0708	01/20/77	30	164	3312N	08555W	25.8	140.5		GGGG	
2729-15245	30000/0300	2-10024/0709	01/20/77	0	164	3146N	08620W	26.8	139.8		GGGG	
2729-15252	30000/0300	2-10024/0710	01/20/77	20	164	3019N	08645W	27.7	139.1		GGGG	
2729-17031	30000/0300	2-10024/0666	01/20/77	70	165	4853N	10607W	15.0	148.0		GGGG	
2729-17034	30000/0300	2-10024/0667	01/20/77	10	165	4728N	10644W	16.1	147.3		GGGG	
2729-17040	30000/0300	2-10024/0668	01/20/77	0	165	4603N	10719W	17.1	146.6		GGGG	
2729-17043	30000/0300	2-10024/0669	01/20/77	0	165	4437N	10753W	18.1	146.0		GGGG	
2729-17045	30000/0300	2-10024/0670	01/20/77	0	165	4312N	10825W	19.1	145.3		GGGG	
2729-17052	30000/0300	2-10024/0671	01/20/77	10	165	4146N	10856W	20.1	144.6		GGGG	
2729-17054	30000/0300	2-10024/0672	01/20/77	0	165	4021N	10926W	21.0	144.0		GGGG	
2729-17061	30000/0300	2-10024/0673	01/20/77	0	165	3855N	10953W	22.0	143.3		GGGG	
2729-17063	30000/0300	2-10024/0674	01/20/77	40	165	3729N	11024W	23.0	142.6		GGGG	
2729-17070	30000/0300	2-10024/0675	01/20/77	50	165	3604N	11051W	23.9	141.9		GGGG	
2729-17072	30000/0300	2-10024/0676	01/20/77	40	165	3437N	11118W	24.9	141.2		GGGG	
2729-17075	30000/0300	2-10024/0677	01/20/77	30	165	3311N	11143W	25.8	140.5		GGGG	
2729-17081	30000/0300	2-10024/0678	01/20/77	60	165	3145N	11209W	26.8	139.8		GGGG	

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0039

OBSERVATION ID	MICROFILM POSITION IN RBV	ROLL NO./ IN ROLL MSC	DATE ACQUIRED	CLOUD COVER	SUNBIT NUMBER	PRINCIPAL OF IMAGE LAT	PRINCIPAL POINT LONG	SUN FLYV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2729-17084	00000/0000	2-10024/0679	01/20/77	70	165	3019N	11233W	27.7	139.0	RGGR		
2730-15254	00000/0000	2-10024/0725	01/21/77	20	178	4853N	08143W	15.2	147.8	RGGR		
2730-15260	00000/0000	2-10024/0726	01/21/77	10	178	4778N	08221W	16.2	147.1	RGGR		
2730-15263	00000/0000	2-10024/0727	01/21/77	10	178	4602N	08256W	17.2	146.5	RGGR		
2730-15265	00000/0000	2-10024/0728	01/21/77	40	178	4437N	08330W	18.2	145.8	RGGR		
2730-15272	00000/0000	2-10024/0729	01/21/77	10	178	4312N	08402W	19.2	145.1	RGGR		
2730-15274	00000/0000	2-10024/0730	01/21/77	20	178	4147N	08433W	20.2	144.5	RGGR		
2730-15281	00000/0000	2-10024/0731	01/21/77	50	178	4021N	08502W	21.2	143.8	RGGR		
2730-15283	00000/0000	2-10024/0732	01/21/77	30	178	3855N	08532W	22.2	143.1	RGGR		
2730-15290	00000/0000	2-10024/0733	01/21/77	40	178	3729N	08600W	23.1	142.4	RGGR		
2730-15292	00000/0000	2-10024/0734	01/21/77	10	178	3604N	08627W	24.1	141.7	RGGR		
2730-15295	00000/0000	2-10024/0735	01/21/77	10	178	3437N	08654W	25.0	141.0	RGGR		
2730-15301	00000/0000	2-10024/0736	01/21/77	0	178	3311N	08720W	26.0	140.3	RGGR		
2730-15304	00000/0000	2-10024/0737	01/21/77	0	178	3145N	08746W	26.9	139.6	RGGR		
2730-15310	00000/0000	2-10024/0738	01/21/77	0	178	3019N	08810W	27.8	138.8	RGGR		
2730-17085	00000/0000	2-10024/0680	01/21/77	20	179	4852N	10735W	15.2	147.8	RGGR		
2730-17092	00000/0000	2-10024/0681	01/21/77	10	179	4778N	10811W	16.2	147.1	RGGR		
2730-17094	00000/0000	2-10024/0682	01/21/77	20	179	4603N	10846W	17.2	146.5	RGGR		
2730-17101	00000/0000	2-10024/0683	01/21/77	30	179	4437N	10920W	18.2	145.8	RGGR		
2730-17103	00000/0000	2-10024/0684	01/21/77	50	179	4312N	10952W	19.2	145.1	RGGR		
2730-17110	00000/0000	2-10024/0685	01/21/77	50	179	4147N	11023W	20.2	144.5	RGGR		
2730-17112	00000/0000	2-10024/0686	01/21/77	20	179	4021N	11053W	21.2	143.8	RGGR		
2730-17115	00000/0000	2-10024/0687	01/21/77	30	179	3855N	11122W	22.2	143.1	RGGR		
2730-17121	00000/0000	2-10024/0688	01/21/77	70	179	3729N	11150W	23.1	142.4	RGGR		
2730-17124	00000/0000	2-10024/0689	01/21/77	90	179	3604N	11218W	24.1	141.7	RGGR		
2730-17130	00000/0000	2-10024/0690	01/21/77	90	179	3438N	11244W	25.0	141.0	RGGR		
2730-17133	00000/0000	2-10024/0691	01/21/77	90	179	3312N	11310W	26.0	140.3	RGGR		
2730-17135	00000/0000	2-10024/0692	01/21/77	40	179	3146N	11336W	26.9	139.6	RGGR		
2730-17142	00000/0000	2-10024/0693	01/21/77	20	179	3020N	11401W	27.8	138.8	RGGR		
2731-15312	00000/0000	2-10024/0712	01/22/77	0	192	4853N	08311W	15.4	147.7	RGGR		
2731-15314	00000/0000	2-10024/0713	01/22/77	0	192	4728N	08348W	16.4	147.0	RGGR		
2731-15321	00000/0000	2-10024/0714	01/22/77	10	192	4602N	08423W	17.4	146.3	RGGR		
2731-15323	00000/0000	2-10024/0715	01/22/77	10	192	4437N	08457W	18.4	145.6	RGGR		
2731-15330	00000/0000	2-10024/0716	01/22/77	10	192	4312N	08529W	19.4	145.0	RGGR		
2731-15332	00000/0000	2-10024/0717	01/22/77	10	192	4146N	08601W	20.4	144.3	RGGR		
2731-15335	00000/0000	2-10024/0718	01/22/77	10	192	4021N	08631W	21.4	143.6	RGGR		

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=3 AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0040

OBSERVATION ID	MICROFILM POSITION RSV	ROLL NO., IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RSV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2731-15341	00000/0000	2-10026/0719	01/22/77	0	192	3855N 08700W	22.3	142.9	0000		
2731-15344	00000/0000	2-10026/0720	01/22/77	0	192	3729N 08728W	23.3	142.2	0000		
2731-15350	00000/0000	2-10026/0721	01/22/77	0	192	3603N 08756W	24.2	141.5	0000		
2731-15353	00000/0000	2-10026/0722	01/22/77	10	192	3437N 08822W	25.2	140.8	0000		
2731-15355	00000/0000	2-10026/0723	01/22/77	10	192	3312N 08848W	26.1	140.1	0000		
2731-15362	00000/0000	2-10026/0724	01/22/77	20	192	3146N 08913W	27.0	139.4	0000		
2731-17143	00000/0000	2-10026/0754	01/22/77	0	193	4854N 10858W	15.4	147.6	0000		
2731-17150	00000/0000	2-10026/0755	01/22/77	0	193	4729N 10935W	16.4	147.0	0000		
2731-17152	00000/0000	2-10026/0756	01/22/77	0	193	4604N 11009W	17.4	146.3	0000		
2731-17155	00000/0000	2-10026/0757	01/22/77	10	193	4439N 11043W	18.4	145.6	0000		
2731-17161	00000/0000	2-10026/0758	01/22/77	70	193	4313N 11116W	19.4	145.0	0000		
2731-17164	00000/0000	2-10026/0759	01/22/77	100	193	4147N 11148W	20.4	144.3	0000		
2731-17170	00000/0000	2-10026/0760	01/22/77	100	193	4022N 11218W	21.4	143.6	0000		
2731-17173	00000/0000	2-10026/0761	01/22/77	100	193	3856N 11248W	22.3	142.9	0000		
2731-17175	00000/0000	2-10026/0762	01/22/77	90	193	3730N 11317W	23.3	142.2	0000		
2731-17182	00000/0000	2-10026/0763	01/22/77	80	193	3604N 11344W	24.3	141.5	0000		
2731-17184	00000/0000	2-10026/0764	01/22/77	80	193	3438N 11411W	25.2	140.8	0000		
2731-17191	00000/0000	2-10026/0765	01/22/77	50	193	3312N 11437W	26.1	140.1	0000		
2731-17193	00000/0000	2-10026/0766	01/22/77	20	193	3145N 11502W	27.1	139.4	0000		
2732-15370	2-10026/0880	00000/0000	01/23/77	90	206	4848N 08435W	15.6	147.5	0000		
2732-15373	2-10026/0881	2-10026/0782	01/23/77	90	206	4728N 08514W	16.6	146.8	0000		
2732-15375	00000/0000	2-10026/0783	01/23/77	100	206	4603N 08549W	17.6	146.1	0000		
2732-15382	00000/0000	2-10026/0784	01/23/77	100	206	4437N 08623W	18.6	145.5	0000		
2732-15384	00000/0000	2-10026/0785	01/23/77	100	206	4312N 08655W	19.6	144.8	0000		
2732-15391	2-10026/0882	2-10026/0786	01/23/77	80	206	4146N 08727W	20.6	144.1	0000		
2732-15393	2-10026/0883	2-10026/0787	01/23/77	80	206	4021N 08757W	21.6	143.4	0000		
2732-15400	2-10026/0884	2-10026/0788	01/23/77	80	206	3855N 08826W	22.5	142.7	0000		
2732-15402	2-10026/0885	2-10026/0789	01/23/77	90	206	3729N 08854W	23.5	142.0	0000		
2732-15405	2-10026/0886	2-10026/0790	01/23/77	80	206	3604N 08921W	24.4	141.3	0000		
2732-15411	2-10026/0887	2-10026/0791	01/23/77	70	206	3438N 08948W	25.4	140.6	0000		
2732-15414	2-10026/0888	2-10026/0792	01/23/77	70	206	3312N 09014W	26.3	139.9	0000		
2732-17202	00000/0000	2-10026/0793	01/23/77	10	207	4853N 11025W	15.6	147.5	0000		
2732-17204	00000/0000	2-10026/0794	01/23/77	20	207	4728N 11102W	16.6	146.8	0000		
2732-17211	00000/0000	2-10026/0795	01/23/77	10	207	4603N 11137W	17.6	146.1	0000		
2732-17213	00000/0000	2-10026/0796	01/23/77	10	207	4438N 11211W	18.6	145.4	0000		
2732-17220	00000/0000	2-10026/0797	01/23/77	40	207	4312N 11243W	19.6	144.8	0000		

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0041

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN RSLT MSR	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN FLEV.	SUN AZIM.	IMAGE-QUAL RBV	123	45678	MSS DATA MODE	MSS IMAGE GAIN
2732-17222	00000/0000	2-10026/0798	01/23/77	40	207	4146N	11315W	20.6	144.1	RG03				
2732-17225	00000/0000	2-10026/0799	01/23/77	80	207	4021N	11245W	21.5	143.4	FF03				
2732-17231	00000/0000	2-10026/0800	01/23/77	80	207	3855N	11413W	22.5	142.7	RG03				
2732-17234	00000/0000	2-10026/0801	01/23/77	70	207	3729N	11442W	23.5	142.0	RG03				
2732-17240	00000/0000	2-10026/0802	01/23/77	10	207	3604N	11509W	24.4	141.3	RG03				
2732-17243	00000/0000	2-10026/0803	01/23/77	10	207	3438N	11536W	25.4	140.6	RG03				
2732-17245	00000/0000	2-10026/0804	01/23/77	20	207	3311N	11602W	26.3	139.9	RG03				
2732-17252	00000/0000	2-10026/0805	01/23/77	40	207	3145N	11627W	27.2	139.1	RG03				
2733-15424	00000/0000	2-10026/0767	01/24/77	80	220	4853N	08603W	15.8	147.3	RG03				
2733-15431	00000/0000	2-10026/0768	01/24/77	70	220	4728N	08640W	16.8	146.6	RG03				
2733-15433	00000/0000	2-10026/0769	01/24/77	100	220	4603N	08715W	17.8	146.0	RG03				
2733-15440	00000/0000	2-10026/0770	01/24/77	90	220	4437N	08749W	18.8	145.3	RG03				
2733-15442	00000/0000	2-10026/0771	01/24/77	100	220	4312N	08821W	19.8	144.6	RG03				
2733-15445	00000/0000	2-10026/0772	01/24/77	100	220	4147N	08852W	20.7	143.9	RG03				
2733-15451	00000/0000	2-10026/0773	01/24/77	100	220	4021N	08922W	21.7	143.2	RG03				
2733-15454	00000/0000	2-10026/0774	01/24/77	70	220	3855N	08952W	22.7	142.5	RG03				
2733-15460	00000/0000	2-10026/0775	01/24/77	40	220	3729N	09020W	23.7	141.8	RG03				
2733-15463	00000/0000	2-10026/0776	01/24/77	60	220	3604N	09048W	24.6	141.1	RG03				
2733-15465	00000/0000	2-10026/0777	01/24/77	70	220	3438N	09115W	25.5	140.4	RG03				
2733-15472	00000/0000	2-10026/0778	01/24/77	90	220	3312N	09140W	26.4	139.7	RG03				
2733-15474	00000/0000	2-10026/0779	01/24/77	100	220	3146N	09205W	27.3	138.9	RG03				
2733-15481	00000/0000	2-10026/0780	01/24/77	90	220	3020N	09230W	28.2	138.2	RG03				
2733-15483	00000/0000	2-10026/0781	01/24/77	80	220	2854N	09255W	29.1	137.4	RG03				
2733-17260	00000/0000	2-10026/0832	01/24/77	60	221	4853N	11151W	15.8	147.3	RG03				
2733-17262	00000/0000	2-10026/0833	01/24/77	50	221	4728N	11227W	16.8	146.6	RG03				
2733-17265	00000/0000	2-10026/0834	01/24/77	20	221	4604N	11302W	17.8	146.0	RG03				
2733-17271	00000/0000	2-10026/0835	01/24/77	10	221	4438N	11336W	18.8	145.3	RG03				
2733-17274	00000/0000	2-10026/0836	01/24/77	70	221	4312N	11409W	19.8	144.6	RG03				
2733-17280	00000/0000	2-10026/0837	01/24/77	20	221	4146N	11440W	20.7	143.9	RG03				
2733-17283	00000/0000	2-10026/0838	01/24/77	10	221	4021N	11510W	21.7	143.2	RG03				
2733-17285	00000/0000	2-10026/0839	01/24/77	10	221	3856N	11539W	22.7	142.5	RG03				
2733-17292	00000/0000	2-10026/0840	01/24/77	10	221	3730N	11608W	23.6	141.8	RG03				
2733-17294	00000/0000	2-10026/0841	01/24/77	0	221	3604N	11635W	24.6	141.1	RG03				
2733-17301	00000/0000	2-10026/0842	01/24/77	10	221	3438N	11702W	25.5	140.4	RG03				
2733-17303	00000/0000	2-10026/0843	01/24/77	0	221	3311N	11728W	26.4	139.7	RG03				
2734-15482	00000/0000	2-10026/0819	01/25/77	20	234	4853N	08730W	16.0	147.2	RG03				

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 1977

1 AM 05AT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0042

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL 42R	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV	123	MSS DATA MODE	MSS IMAGE GAIN
2734-15485	00000/0000	2-10024/0820	01/25/77	30	234	4728N	08806W	17.0	146.5	RGGB			
2734-15491	00000/0000	2-10024/0821	01/25/77	30	234	4603N	08841W	18.0	145.8	RGGB			
2734-15494	00000/0000	2-10024/0822	01/25/77	40	234	4498N	08914W	19.0	145.1	RGGB			
2734-15500	00000/0000	2-10024/0823	01/25/77	40	234	4313N	08947W	20.0	144.4	RGGB			
2734-15503	00000/0000	2-10024/0824	01/25/77	40	234	4147N	09018W	20.9	143.7	RGGB			
2734-15505	00000/0000	2-10024/0825	01/25/77	70	234	4021N	09049W	21.9	143.1	RGGB			
2734-15512	00000/0000	2-10024/0826	01/25/77	60	234	3856N	09118W	22.9	142.4	RGGB			
2734-15514	00000/0000	2-10024/0827	01/25/77	10	234	3730N	09147W	23.8	141.6	RGGB			
2734-15521	00000/0000	2-10024/0828	01/25/77	0	234	3474N	09214W	24.7	140.9	RGGB			
2734-15523	00000/0000	2-10024/0829	01/25/77	0	234	3438N	09241W	25.7	140.2	RGGB			
2734-15530	00000/0000	2-10024/0830	01/25/77	0	234	3312N	09307W	26.6	139.5	RGGB			
2734-15532	00000/0000	2-10024/0831	01/25/77	0	234	3145N	09333W	27.5	138.7	RGGB			
2734-17314	00000/0000	2-10024/0836	01/25/77	30	235	4843N	11318W	16.0	147.2	RGGB			
2734-17321	00000/0000	2-10024/0857	01/25/77	20	235	4728N	11355W	17.0	146.5	RGGB			
2734-17323	00000/0000	2-10024/0858	01/25/77	10	235	4603N	11430W	18.0	145.8	RGGB			
2734-17330	00000/0000	2-10024/0859	01/25/77	0	235	4438N	11504W	19.0	145.1	RGGB			
2734-17332	00000/0000	2-10024/0860	01/25/77	60	235	4312N	11536W	20.0	144.4	RGGB			
2734-17335	00000/0000	2-10024/0861	01/25/77	10	235	4147N	11607W	20.9	143.7	RGGB			
2734-17341	00000/0000	2-10024/0862	01/25/77	10	235	4021N	11637W	21.9	143.0	RGGB			
2734-17345	00000/0000	2-10024/0863	01/25/77	10	235	3856N	11706W	22.9	142.3	RGGB			
2734-17350	00000/0000	2-10024/0864	01/25/77	70	235	3730N	11734W	23.8	141.6	RGGB			
2734-17353	00000/0000	2-10024/0865	01/25/77	80	235	3604N	11802W	24.8	140.9	RGGB			
2734-17355	00000/0000	2-10024/0866	01/25/77	90	235	3478N	11828W	25.7	140.2	RGGB			
2734-17362	00000/0000	2-10024/0867	01/25/77	80	235	3312N	11854W	26.6	139.5	RGGB			
2735-15543	00000/0000	2-10024/0844	01/26/77	70	248	4728N	08932W	17.2	146.3	RGGB			
2735-15550	00000/0000	2-10024/0845	01/26/77	60	248	4603N	09008W	18.2	145.6	RGGB			
2735-15552	00000/0000	2-10024/0846	01/26/77	40	248	4477N	09042W	19.2	144.9	RGGB			
2735-15555	00000/0000	2-10024/0847	01/26/77	20	248	4312N	09114W	20.1	144.2	RGGB			
2735-15561	00000/0000	2-10024/0848	01/26/77	20	248	4146N	09146W	21.1	143.6	RGGB			
2735-15564	00000/0000	2-10024/0849	01/26/77	40	248	4021N	09215W	22.1	142.9	RGGB			
2735-15570	00000/0000	2-10024/0850	01/26/77	30	248	3856N	09244W	23.0	142.2	RGGB			
2735-15573	00000/0000	2-10024/0851	01/26/77	20	248	3729N	09312W	24.0	141.4	RGGB			
2735-15575	00000/0000	2-10024/0852	01/26/77	10	248	3604N	09339W	24.9	140.7	RGGB			
2735-15582	00000/0000	2-10024/0853	01/26/77	10	248	3478N	09405W	25.8	140.0	RGGB			
2735-15584	00000/0000	2-10024/0854	01/26/77	40	248	3312N	09431W	26.8	139.2	RGGB			
2735-15591	00000/0000	2-10024/0855	01/26/77	70	248	3146N	09456W	27.7	138.5	RGGB			

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, 1=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, HIGH GAIN

18133 FEB 17, '77

LANSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0043

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN
2736-14170	00000/0000 2-10026/0808	01/27/77	10	261	4729N	06509W	17.4	146.2	GOOD		
2736-14172	00000/0000 2-10026/0809	01/27/77	20	261	4604N	06543W	18.4	145.5	GOOD		
2736-14175	00000/0000 2-10026/0810	01/27/77	40	261	4438N	06617W	19.4	144.8	GOOD		
2736-15595	00000/0000 2-10026/0811	01/27/77	10	262	4853N	09024W	16.4	146.9	GOOD		
2736-16001	00000/0000 2-10026/0812	01/27/77	20	262	4728N	09100W	17.4	146.2	GOOD		
2736-16004	00000/0000 2-10026/0813	01/27/77	10	262	4603N	09134W	18.4	145.5	GOOD		
2736-16010	00000/0000 2-10026/0814	01/27/77	60	262	4438N	09207W	19.4	144.8	GOOD		
2736-16013	00000/0000 2-10026/0815	01/27/77	90	262	4313N	09239W	20.4	144.1	GOOD		
2736-16015	00000/0000 2-10026/0816	01/27/77	90	262	4147N	09310W	21.3	143.4	GOOD		
2736-16022	00000/0000 2-10026/0817	01/27/77	60	262	4022N	09340W	22.3	142.7	GOOD		
2736-16024	00000/0000 2-10026/0818	01/27/77	20	262	3856N	09410W	23.2	142.0	GOOD		

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

18138 FEB 17, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 01/01/77 TO 01/31/77

PAGE 0044

OBSERVATION ID	MICROFILM POSITION RBV	RAIL NO./ IN RBLT MSB	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSB 123 45678	MSB DATA MODE	MSB IMAGE GAIN
2707-21494	00000/0000	2-10026/0133	12/29/76	100	9861	5311N	17543W	9.6	153.2	RGGR		
2707-21500	00000/0000	2-10026/0134	12/29/76	100	9861	5146N	17626W	10.7	152.6	RGFG		
2708-21552	00000/0000	2-10026/0097	12/30/76	70	9875	5310N	17711W	9.7	153.1	RGGR		
2708-21554	00000/0000	2-10026/0098	12/30/76	70	9875	5146N	17753W	10.7	152.4	RGGR		
2709-22013	00000/0000	2-10026/0163	12/31/76	40	9829	5145N	17921W	10.8	152.3	RGGR		
2720-21200	00000/0000	2-10026/0450	01/11/77	40	42	5436N	16749W	9.5	152.1	RGGR		
2720-21202	00000/0000	2-10026/0451	01/11/77	40	42	5311N	16834W	10.6	151.4	RGGR		
2720-21205	00000/0000	2-10026/0452	01/11/77	20	42	5146N	16917W	11.6	150.7	RGGR		
2721-21254	00000/0000	2-10026/0515	01/12/77	50	56	5433N	16918W	9.7	151.9	RGGR		
2721-21261	00000/0000	2-10026/0516	01/12/77	70	56	5308N	17003W	10.7	151.2	RGGR		
2721-21263	00000/0000	2-10026/0517	01/12/77	90	56	5144N	17046W	11.8	150.5	RGGR		
2722-21312	00000/0000	2-10026/0580	01/13/77	60	70	5433N	17043W	9.8	151.8	RGGR		
2722-21315	00000/0000	2-10026/0581	01/13/77	60	70	5308N	17128W	10.9	151.1	RGGR		
2722-21321	00000/0000	2-10026/0582	01/13/77	60	70	5143N	17211W	11.9	150.4	RGGR		
2723-21371	00000/0000	2-10026/0473	01/14/77	50	84	5432N	17210W	10.0	151.6	RGGR		
2723-21373	00000/0000	2-10026/0474	01/14/77	60	84	5308N	17255W	11.0	150.9	RGGR		
2723-21380	00000/0000	2-10026/0475	01/14/77	70	84	5144N	17338W	12.1	150.2	RGGR		
2724-21425	00000/0000	2-10026/0583	01/15/77	40	98	5432N	17337W	10.1	151.5	RGGR		
2724-21431	00000/0000	2-10026/0584	01/15/77	30	98	5307N	17422W	11.2	150.8	RGGR		
2724-21434	00000/0000	2-10026/0585	01/15/77	60	98	5143N	17505W	12.2	150.1	RGGR		
2725-21490	00000/0000	2-10026/0586	01/16/77	80	112	5307N	17548W	11.3	150.6	RGGR		
2725-21492	00000/0000	2-10026/0587	01/16/77	80	112	5143N	17630W	12.4	149.9	RGGR		
2726-21544	00000/0000	2-10026/0637	01/17/77	60	126	5310N	17712W	11.5	150.5	RGGR		
2726-21550	00000/0000	2-10026/0638	01/17/77	60	126	5145N	17756W	12.5	149.8	RGGR		
2727-22004	00000/0000	2-10026/0711	01/18/77	90	140	5145N	17921W	12.7	149.6	RGGR		
2729-22114	00000/0000	2-10026/0696	01/20/77	40	168	5308N	17828E	12.0	150.0	RGGR		
2730-18500	00000/0000	2-10026/0694	01/21/77	80	180	5555N	12945W	10.1	151.4	RGGR		
2730-18503	00000/0000	2-10026/0695	01/21/77	80	180	5431N	13034W	11.2	150.6	RGGR		
2733-19071	00000/0000	2-10026/0806	01/24/77	70	222	5556N	13405W	10.7	151.0	RGFF		
2733-19073	00000/0000	2-10026/0807	01/24/77	80	222	5432N	13453W	11.8	150.2	FFFF		

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 MSB DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSB IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

LANDSAT 2 COORDINATE LISTING

18133 FEB 17, 1977

 1 AMPSAT-2
 COORDINATE LISTING
 FOR CONTINUOUS US
 FROM 01/01/77 TO 01/31/77

PAGE 0046

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY RBY MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY RBY MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY RBY MSS		
LONG LAT			12345678	LONG LAT			12345678	LONG LAT			12345678		
06530	2718-10170	10	3300	07218	2723-10461	0	3000	07625	2708-10501	10	3000		
06539	2736-10170	10	33FF	07237	28574	2721-10371	80	3000	07625	2723-10493	100	3000	
06539	2718-10180	10	3300	07252	46074	2705-10471	40	3000	07626	4025N	2706410540	90	3000
06543	2736-10172	20	3300	07253	46054	2723-10463	10	3000	07626	4023N	2724-10535	40	3000
06613	2718-10183	10	3300	07304	37314	2721-10374	70	3000	07634	4730N	2708-15040	10	3300
06617	2736-10175	40	3300	07324	44024	2705-10474	10	3000	07643	3020N	2722-10453	60	3000
06631	2701-10240	30	3300	07327	44004	2723-10470	90	3000	07650	4315N	2707-10593	80	3300
06633	2719-10232	60	3300	07333	36054	2721-10380	40	3000	07651	4313N	2725-10585	40	3300
06646	2718-10185	70	3300	07344	47314	2706-10523	0	3000	07651	3440N	2723-10495	90	FFFF
06706	2701-10243	80	FFFF	07344	47294	2704-10515	20	3000	07652	3441N	2705-10503	10	3300
06708	2719-10234	90	3300	07358	43164	2705-10480	10	3000	07655	3859N	2706-10550	50	3300
06740	2701-10243	70	33	07359	43144	2723-10472	100	3000	07655	3857N	2724-10542	10	3300
06742	2719-10241	90	FFFF	07400	34394	2721-10383	40	3000	07707	2854N	2722-10455	20	3000
06759	2720-10290	30	3300	07419	46064	2704-10530	0	3000	07709	4605N	2708-15042	10	3300
06811	2701-10252	90	FFFF	07419	46044	2724-10521	20	3000	07717	3313N	2723-10502	90	FFFF
06814	2719-10243	100	3300	07426	33134	2721-10385	60	FFFF	07718	3315N	2705-10510	20	FFFF
06834	2720-10293	20	3300	07430	41494	2723-10475	100	3300	07721	4149N	2707-10505	50	3300
06845	2701-10254	90	FFFF	07452	44414	2704-10532	10	3000	07722	4148N	2725-10591	70	3300
06845	2719-10250	100	33	07452	31474	2721-10392	80	3000	07723	3731N	2724-10544	20	3300
06908	2720-10295	20	3000	07453	44384	2724-10524	20	3000	07724	3733N	2706-10553	60	3300
06916	2701-10261	80	FFFF	07500	40244	2705-10485	30	3000	07725	4854N	2727-15083	90	3300
06916	2719-10252	100	3300	07500	40234	2723-10481	100	3000	07726	4853N	2709-15091	60	FFFF
06923	2721-10344	20	3300	07509	47304	2707-10581	90	3000	07731	2728N	2722-10462	30	3300
06941	2720-10302	50	3300	07520	43154	2704-10535	80	3000	07743	44394	2708-15045	10	3300
06946	2719-10255	100	3300	07525	43134	2724-10530	40	3000	07743	3147N	2723-10504	90	3300
06958	2721-10351	50	3300	07529	38594	2705-10492	10	FFFF	07744	3149N	2705-10512	20	3300
07012	2720-10304	40	3300	07530	38574	2723-10484	90	3000	07751	3605N	2724-10551	90	3300
07032	2721-10353	30	FFFF	07544	46054	2707-10584	60	FFFF	07752	4023N	2707-15002	50	3300
07042	2720-10311	90	3300	07556	41504	2704-10541	100	3000	07752	4022N	2725-10594	50	3300
07105	2721-10340	20	3300	07556	41484	2724-10533	40	3000	07752	3604N	2706-10555	30	3300
07112	2720-10313	90	3300	07556	48544	2704-15033	70	3000	07801	47294	2727-15090	90	FFFF
07137	2721-10342	90	3300	07558	37334	2705-10494	20	FFFF	07802	47284	2709-15094	20	3300
07140	2720-10320	90	3300	07558	37314	2723-10490	90	FFFF	07807	3021N	2723-10511	90	3300
07208	2721-10345	90	3300	07618	44004	2707-10590	50	FFFF	07809	3022N	2705-10515	30	3300
07208	2720-10322	90	3300	07618	44384	2725-10582	40	FFFF	07815	4314N	2708-15051	20	FFFF
07218	2705-10465	60	FFFF	07618	31474	2722-10450	50	3000	07817	4313N	2724-15043	60	3300

KEYS: CLOUD COVER & 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

18133 FEB 17, '77

 IANUSAT-2
 COORDINATE LISTING
 FOR CONTIGUOUS US
 FROM 01/01/77 TO 01/31/77

PAGE 0047

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY
LONG LAT			12345678	LONG LAT			12345678	LONG LAT			12345678
07818-	3439N	2724-14553	90	07959-	2856N	2706-14580	60	08140-	3730N	2727-15115	10
07819-	3440N	2706-14562	90	07959-	2856N	2726-14571	70	08141-	4855N	2712-15262	90
07821-	3858N	2707-15004	70	08000-	4603N	2724-15150	30	08142-	3730N	2709-15123	40
07821-	3856N	2725-15000	80	08009-	3316N	2707-15022	0	08143-	4853N	2730-15254	20
07822-	2855N	2723-14513	60	08009-	3312N	2724-15014	10	08201-	4440N	2711-15215	90
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07825-	4604N	2727-15092	50	08014-	4147N	2709-15112	20	08202-	3146N	2726-15075	0
07837-	4603N	2709-15100	10	08015-	4855N	2711-15203	50	08203-	4438N	2729-15211	90
07844-	3314N	2706-14564	90	08015-	3731N	2726-15061	0	08207-	3604N	2727-15122	30
07844-	3313N	2724-14560	70	08015-	3730N	2708-15065	10	08210-	4022N	2728-15164	80
07847-	4148N	2708-15054	30	08017-	4853N	2729-15195	20	08210-	3604N	2709-15130	30
07848-	4148N	2726-15045	20	08022-	2729N	2706-14582	20	08218-	4730N	2712-15264	70
07849-	3732N	2707-15011	60	08023-	2727N	2724-14574	80	08221-	4728N	2730-15260	10
07849-	3730N	2725-15003	70	08035-	3147N	2707-15025	10	08226-	3020N	2708-15090	20
07852-	4853N	2728-15141	60	08035-	3146N	2725-15021	10	08226-	3020N	2726-15081	30
07855-	2728N	2723-14520	40	08038-	4438N	2728-15153	40	08233-	4314N	2711-15221	90
07857-	2730N	2705-14524	30	08043-	4021N	2727-15110	10	08234-	3438N	2727-15124	10
07909-	4438N	2727-15095	30	08043-	3605N	2726-15063	0	08234-	4312N	2729-15213	40
07909-	3147N	2724-14562	60	08043-	3604N	2708-15072	0	08237-	3438N	2709-15132	10
07910-	3148N	2706-14571	80	08044-	4022N	2709-15114	10	08239-	3856N	2728-15171	80
07911-	4438N	2709-15103	20	08052-	4730N	2711-15210	50	08250-	2854N	2708-15092	40
07917-	4023N	2708-15060	40	08053-	4728N	2729-15202	30	08251-	2854N	2726-15084	10
07917-	3606N	2707-15013	40	08100-	3021N	2707-15031	10	08253-	4604N	2712-15271	80
07917-	3605N	2725-15005	50	08100-	3020N	2725-15023	10	08256-	4602N	2730-15263	10
07918-	4022N	2726-15052	10	08109-	4313N	2728-15155	80	08301-	3312N	2727-15131	90
07919-	2602N	2723-14522	50	08110-	3438N	2708-15074	0	08303-	3311N	2709-15135	40
07920-	2603N	2705-14530	30	08110-	3438N	2726-15070	0	08304-	4149N	2711-15224	80
07929-	4728N	2728-15144	30	08112-	3856N	2727-15113	40	08307-	4147N	2729-15220	10
07934-	3022N	2706-14573	70	08114-	3856N	2709-15121	10	08308-	3730N	2728-15173	80
07934-	3021N	2724-14565	70	08124-	2854N	2707-15034	10	08309-	4854N	2713-15320	50
07942-	4312N	2727-15101	10	08124-	2854N	2725-15030	20	08311-	4853N	2731-15312	0
07943-	4313N	2709-15105	20	08127-	4605N	2711-15212	60	08324-	3146N	2727-15133	80
07943-	3440N	2707-15020	10	08129-	4603N	2729-15204	20	08327-	4439N	2712-15273	90
07943-	3439N	2725-15012	10	08134-	3312N	2708-15081	10	08328-	3146N	2709-15141	90
07946-	3857N	2708-15063	90	08134-	3312N	2726-15072	0	08330-	4437N	2730-15265	40
07947-	3856N	2726-15054	10	08140-	4147N	2728-15162	90	08334-	4023N	2711-15230	20

 KEYS: CLOUD COVER % 0 TO 100 % & CLOUD COVER.
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

18133 FEB 17, 77

LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0048

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBY MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBY MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBY MSS
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08338-4021N	2729-15222	20	0000	08542-2856N	2710-15200	60	0000	08727-4166N	2732-15391	80	00000003
08346-4729N	2713-15322	60	0000	08544-2853N	2728-15200	80	0000	08728-3729N	2731-15344	0	0000
08348-4728N	2731-15314	0	0000	08545-4604N	2714-15383	60	0000	08730-4853N	2734-15482	20	0000
08351-3020N	2727-15140	40	0000	08549-4603N	2732-15375	100	0000	08745-3147N	2712-15312	90	0000
08353-3020N	2709-15144	70	0000	08552-3314N	2711-15251	100	0000	08746-4439N	2715-15444	50	0000
08400-4314N	2712-15280	90	0000	08555-3312N	2729-15243	30	0000	08746-3145N	2730-15304	0	0000
08401-3440N	2710-15190	0	0000	08558-4149N	2713-15340	30	0000	08749-4437N	2733-15440	90	0000
08402-4312N	2730-15272	10	0000	08559-3731N	2712-15294	100	0000	08753-4023N	2714-15401	70	0000
08403-3858N	2711-15233	0	0000	08600-3729N	2730-15290	40	0000	08753-3605N	2713-15354	100	0000
08403-3439N	2728-15182	10	0000	08601-4146N	2731-15332	10	0000	08756-3603N	2731-15350	0	0000
08407-3855N	2729-15225	50	0000	08602-4854N	2714-15432	90	0000	08757-4021N	2732-15393	80	00000003
08421-4604N	2713-15325	40	0000	08603-4853N	2733-15424	80	0000	08804-4730N	2716-15493	70	0000
08423-4602N	2731-15321	10	0000	08618-3148N	2711-15253	100	0000	08806-4728N	2734-15485	30	0000
08427-3314N	2710-15193	10	0000	08619-4439N	2714-15390	70	0000	08810-3021N	2712-15314	90	0000
08431-4850N	2714-15374	10	000	08620-3146N	2729-15245	0	0000	08810-3019N	2730-15310	0	0000
08432-4148N	2712-15282	90	0000	08623-4437N	2732-15382	100	0000	08814-4314N	2715-15450	40	0000
08432-3732N	2711-15235	20	0000	08627-3605N	2712-15300	100	0000	08820-3439N	2713-15361	100	0000
08433-4147N	2730-15274	20	0000	08627-3603N	2730-15292	10	0000	08821-4312N	2733-15442	100	0000
08435-4648N	2732-15370	90	000	08628-4024N	2713-15343	80	0000	08822-3857N	2714-15404	100	00000003
08435-3729N	2729-15231	90	0000	08631-4021N	2731-15335	10	0000	08822-3437N	2731-15353	10	0000
08452-3149N	2710-15195	10	0000	08638-4729N	2714-15435	100	0000	08826-3855N	2732-15400	80	00000003
08455-4439N	2713-15331	20	0000	08640-4728N	2733-15431	70	0000	08839-4605N	2716-15495	10	000
08457-4437N	2731-15323	10	0000	08643-4022N	2711-15260	100	0000	08841-4603N	2734-15491	30	0000
08459-3606N	2711-15242	50	0000	08645-3019N	2729-15252	20	0000	08846-3313N	2713-15363	100	0000
08502-4023N	2712-15285	40	0000	08652-4314N	2714-15392	60	0000	08848-4149N	2715-15453	70	0000
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08502-3604N	2729-15234	90	0000	08654-3437N	2730-15290	10	0000	08850-3731N	2714-15410	90	00000003
08510-4730N	2714-15381	20	00000003	08655-4312N	2732-15384	100	0000	08852-4147N	2733-15445	100	0000
08514-4728N	2732-15373	90	00000003	08657-3858N	2713-15345	100	0000	08854-3729N	2732-15402	30	00000003
08517-3022N	2710-15202	10	0000	08700-3855N	2731-15341	0	0000	08911-3147N	2713-15370	100	0000
08526-3440N	2711-15244	100	0000	08712-4604N	2715-15441	90	0000	08912-4439N	2716-15502	0	0000
08527-4314N	2713-15334	10	0000	08715-4603N	2733-15433	100	0000	08913-3146N	2731-15362	20	0000
08529-4312N	2731-15330	10	0000	08720-3313N	2712-15305	100	0000	08914-4438N	2734-15494	40	0000
08529-3438N	2729-15240	70	0000	08720-3311N	2730-15301	0	0000	08918-3605N	2714-15413	90	00000003
08531-3857N	2712-15291	40	0000	08723-4148N	2714-15395	40	00000003	08919-4027N	2715-15455	60	0000

KEYS: CLOUD COVER: 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY: BLANKS=BAD NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

18133 FEB 17, 77

LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0049

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY RBY MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY RBY MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY RBY MSS
LONG LAT			12345678	LONG LAT			12345678	LONG LAT			12345678
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08922-	4021N	2733-15451	100	09147-	3730N	2734-15514	10	09423-	4605N	2720-16124	30
08931-	4729N	2717-15551	40	09202-	3147N	2714-15482	90	09431-	3312N	2735-15584	40
08932-	4728N	2735-15543	70	09209-	4438N	2718-16014	0	09434-	4149N	2719-16082	0
08944-	4313N	2716-15544	0	09209-	3146N	2733-15474	100	09434-	3731N	2718-16035	100
08945-	3439N	2714-15415	90	09207-	4438N	2736-16010	60	09439-	4855N	2721-16173	0
08947-	4313N	2734-15530	40	09211-	3605N	2714-15525	10	09442-	2727N	2716-15552	10
08948-	3857N	2715-15462	90	09214-	3604N	2734-15521	0	09456-	3146N	2735-15591	70
08948-	3438N	2732-15411	70	09215-	4021N	2735-15564	40	09457-	4439N	2720-16131	20
08952-	3855N	2733-15454	70	09222-	4730N	2719-16064	0	09503-	3605N	2718-16041	100
09008-	4603N	2735-15550	60	09230-	3020N	2733-15481	90	09504-	4023N	2719-16084	0
09011-	3313N	2714-15422	30	09237-	4313N	2718-16021	30	09505-	2601N	2716-15554	30
09014-	4148N	2716-15511	0	09238-	3439N	2716-15531	10	09516-	4730N	2721-16180	0
09014-	3312N	2732-15414	70	09239-	4313N	2736-16013	90	09528-	2435N	2716-15561	60
09016-	3731N	2715-15464	100	09241-	3438N	2734-15523	0	09529-	4314N	2720-16133	10
09018-	4147N	2734-15503	40	09244-	3855N	2735-15570	30	09530-	3439N	2718-16044	90
09020-	4854N	2718-16003	0	09250-	2854N	2733-15483	80	09533-	3857N	2719-16091	0
09020-	3729N	2733-15460	40	09257-	4605N	2719-16070	0	09550-	4605N	2721-16182	0
09024-	4853N	2736-15595	10	09304-	3312N	2716-15534	10	09556-	3312N	2718-16050	80
09024-	4437N	2735-15552	40	09307-	3312N	2734-15530	0	09600-	4148N	2720-16140	50
09044-	3605N	2715-15471	100	09309-	4148N	2718-16023	20	09601-	3732N	2719-16093	0
09045-	4023N	2716-15513	0	09310-	4855N	2720-16115	10	09603-	4855N	2722-16232	40
09048-	3604N	2733-15463	60	09310-	4147N	2736-16015	90	09622-	3146N	2718-16053	70
09049-	4021N	2734-15505	70	09312-	3729N	2735-15573	20	09624-	4440N	2721-16185	10
09057-	4729N	2718-16005	10	09330-	3146N	2716-15540	20	09630-	4023N	2720-16142	20
09100-	4728N	2736-16001	20	09331-	4440N	2719-16073	0	09640-	4730N	2722-16234	30
09110-	3439N	2715-15473	100	09331-	3145N	2734-15532	0	09644-	3020N	2718-16055	40
09114-	4312N	2735-15585	20	09339-	4022N	2718-16030	80	09656-	4314N	2721-16191	40
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09115-	3438N	2733-15465	70	09340-	4022N	2736-16022	60	09700-	3857N	2720-16145	10
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09132-	4604N	2718-16012	0	09354-	3020N	2716-15543	30	09715-	4605N	2722-16241	80
09134-	4603N	2736-16004	10	09403-	4314N	2719-16075	0	09723-	3313N	2719-16105	0
09137-	3313N	2715-15480	100	09405-	3438N	2735-15582	10	09727-	4149N	2721-16194	20
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09143-	3730N	2716-15522	0	09410-	3856N	2736-16024	20	09735-	2728N	2718-16064	80

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.

IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

18133 FEB 17, 77

 LANDSAT-2
 COORDINATE LISTING
 FOR CONTIGUOUS US
 FROM 01/01/77 TO 01/31/77

PAGE 0050

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBY MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBY MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBY MSS
LONG LAT			12345678	LONG LAT			12345678	LONG LAT			12345678
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09749	44404	2722-16263	80	09749	44404	2722-16263	80	09749	44404	2722-16263	80
09755	36054	2720-16154	10	09755	36054	2720-16154	10	09755	36054	2720-16154	10
09757	40234	2721-16200	10	09757	40234	2721-16200	10	09757	40234	2721-16200	10
09758	26014	2718-16071	90	09758	26014	2718-16071	90	09758	26014	2718-16071	90
09806	47324	2705-16301	90	09806	47324	2705-16301	90	09806	47324	2705-16301	90
09808	47304	2723-16292	90	09808	47304	2723-16292	90	09808	47304	2723-16292	90
09813	30214	2719-16114	0	09813	30214	2719-16114	0	09813	30214	2719-16114	0
09821	43144	2722-16250	50	09821	43144	2722-16250	50	09821	43144	2722-16250	50
09822	34394	2721-16240	10	09822	34394	2721-16240	10	09822	34394	2721-16240	10
09827	36574	2721-16200	10	09827	36574	2721-16200	10	09827	36574	2721-16200	10
09837	24544	2719-16114	0	09837	24544	2719-16114	0	09837	24544	2719-16114	0
09841	44044	2705-16301	90	09841	44044	2705-16301	90	09841	44044	2705-16301	90
09843	46054	2723-16292	90	09843	46054	2723-16292	90	09843	46054	2723-16292	90
09848	33134	2721-16240	10	09848	33134	2721-16240	10	09848	33134	2721-16240	10
09852	41494	2721-16240	10	09852	41494	2721-16240	10	09852	41494	2721-16240	10
09855	37314	2721-16240	10	09855	37314	2721-16240	10	09855	37314	2721-16240	10
09901	27044	2719-16114	0	09901	27044	2719-16114	0	09901	27044	2719-16114	0
09913	31474	2720-16154	50	09913	31474	2720-16154	50	09913	31474	2720-16154	50
09915	44404	2720-16154	50	09915	44404	2720-16154	50	09915	44404	2720-16154	50
09916	44404	2723-16263	70	09916	44404	2723-16263	70	09916	44404	2723-16263	70
09922	40234	2722-16200	10	09922	40234	2722-16200	10	09922	40234	2722-16200	10
09923	36054	2721-16200	90	09923	36054	2721-16200	90	09923	36054	2721-16200	90
09924	26014	2718-16071	70	09924	26014	2718-16071	70	09924	26014	2718-16071	70
09938	30214	2719-16114	100	09938	30214	2719-16114	100	09938	30214	2719-16114	100
09947	43144	2722-16250	30	09947	43144	2722-16250	30	09947	43144	2722-16250	30
09948	43144	2723-16292	20	09948	43144	2723-16292	20	09948	43144	2723-16292	20
09950	34394	2721-16240	100	09950	34394	2721-16240	100	09950	34394	2721-16240	100
09951	36574	2722-16261	10	09951	36574	2722-16261	10	09951	36574	2722-16261	10
10002	28544	2720-16154	100	10002	28544	2720-16154	100	10002	28544	2720-16154	100
10009	46054	2724-16353	20	10009	46054	2724-16353	20	10009	46054	2724-16353	20
10016	33134	2721-16240	100	10016	33134	2721-16240	100	10016	33134	2721-16240	100
10018	41494	2705-16301	40	10018	41494	2705-16301	40	10018	41494	2705-16301	40
10019	41494	2723-16292	20	10019	41494	2723-16292	20	10019	41494	2723-16292	20
10020	37314	2722-16240	10	10020	37314	2722-16240	10	10020	37314	2722-16240	10
10022	48544	2707-16440	90	10022	48544	2707-16440	90	10022	48544	2707-16440	90
10023	48544	2725-16425	0	10023	48544	2725-16425	0	10023	48544	2725-16425	0
10024	48544	2707-16433	10	10024	48544	2707-16433	10	10024	48544	2707-16433	10
10025	48544	2727-16521	80	10025	48544	2727-16521	80	10025	48544	2727-16521	80
10026	48544	2709-16525	50	10026	48544	2709-16525	50	10026	48544	2709-16525	50
10027	48544	2705-16351	0	10027	48544	2705-16351	0	10027	48544	2705-16351	0
10028	48544	2723-16342	40	10028	48544	2723-16342	40	10028	48544	2723-16342	40
10029	48544	2704-16393	0	10029	48544	2704-16393	0	10029	48544	2704-16393	0
10030	48544	2724-16385	0	10030	48544	2724-16385	0	10030	48544	2724-16385	0
10031	48544	2708-16483	10	10031	48544	2708-16483	10	10031	48544	2708-16483	10
10032	48544	2726-16474	90	10032	48544	2726-16474	90	10032	48544	2726-16474	90
10033	48544	2725-16432	20	10033	48544	2725-16432	20	10033	48544	2725-16432	20
10034	48544	2707-16440	20	10034	48544	2707-16440	20	10034	48544	2707-16440	20

KEYS: CLOUD COVER % 0 TO 100 % & CLOUD COVER.
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

18133 FEB 17, 77

LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0051

PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC	QUALITY RBY MSS	PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC	QUALITY RBY MSS	PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC	QUALITY RBY MSS
10421	2857N	2705-16353	0	0000	12345678	10558	3314N	2707-16454	30	0000	10750	3148N	2708-16515	30	0000		
10421	2854N	2723-16345	10	0000		10558	3311N	2725-16450	10	0000	10751	3145N	2726-16510	10	0000		
10425	4403N	2727-16524	90	0000		10602	4147N	2727-16535	90	0000	10753	4437N	2729-17043	0	0000		
10426	4604N	2709-16532	60	0000		10603	4147N	2709-16543	50	0000	10757	4024N	2710-17004	40	0000		
10432	3314N	2706-16400	10	0000		10605	4856N	2711-17035	20	0000	10758	3604N	2709-16561	90	0000		
10432	3313N	2724-16392	0	0000		10605	3730N	2724-16492	10	0000	10758	3604N	2727-16553	0	0000		
10438	4147N	2726-16481	90	0000		10606	3731N	2708-16501	10	0000	10800	4021N	2728-17000	10	0000		
10438	3729N	2725-16434	10	0000		10607	4853N	2729-17031	70	0000	10804	4730N	2712-17100	70	0000		
10439	4857N	2710-16581	20	0000		10624	4441N	2710-16592	90	0000	10811	4728N	2730-17092	10	0000		
10439	4854N	2728-16573	0	0000		10624	3148N	2707-16460	80	0000	10815	3021N	2708-16521	30	0000		
10439	4148N	2708-16485	80	0000		10624	3145N	2725-16452	10	0000	10816	3018N	2726-16513	0	0000		
10439	3732N	2707-16442	20	0000		10633	4022N	2727-16542	40	0000	10827	4316N	2711-17053	10	0000		
10445	2731N	2705-16360	0	0000		10633	3605N	2708-16503	10	0000	10825	4312N	2729-17043	0	0000		
10445	2727N	2723-16351	0	0000		10633	3603N	2726-16495	0	0000	10825	3439N	2709-16564	90	0000		
10458	3148N	2706-16402	30	0000		10634	4022N	2709-16550	50	0000	10825	3439N	2727-16560	0	0000		
10458	3147N	2724-16394	0	0000		10642	4731N	2711-17042	10	0000	10826	3659N	2710-17010	70	0000		
10459	4439N	2709-16534	90	0000		10644	4728N	2729-17034	10	0000	10829	3855N	2728-17002	0	0000		
10459	4438N	2727-16530	90	0000		10648	3019N	2725-16455	10	0000	10840	2852N	2726-16515	10	0000		
10506	3606N	2707-16445	10	0000		10649	3022N	2707-16463	80	0000	10841	4605N	2712-17102	60	0000		
10506	3603N	2725-16441	20	0000		10656	4315N	2710-16595	80	0000	10844	4603N	2730-17094	20	0000		
10508	4022N	2726-16483	70	0000		10658	4313N	2728-16591	10	0000	10850	3313N	2709-16570	90	0000		
10509	4022N	2708-16492	80	0000		10659	3440N	2704-16510	10	0000	10852	3312N	2727-16562	10	0000		
10516	4731N	2710-16543	40	0000		10659	3437N	2726-16501	0	0000	10853	4151N	2711-17040	20	0000		
10516	4729N	2728-16575	0	0000		10702	3856N	2727-16544	10	0000	10854	3733N	2710-17013	70	0000		
10523	3022N	2706-16405	60	0000		10703	3856N	2709-16552	70	0000	10856	4146N	2729-17052	10	0000		
10523	3021N	2724-16401	0	0000		10717	4606N	2711-17044	20	0000	10856	3729N	2728-17005	10	0000		
10531	4313N	2727-16533	90	0000		10719	4603N	2729-17040	0	0000	10858	4854N	2713-17151	90	0000		
10532	4313N	2709-16541	90	0000		10725	3314N	2708-16512	10	0000	10858	4854N	2731-17143	0	0000		
10532	3440N	2707-16451	0	0000		10726	3311N	2726-16504	40	0000	10915	4440N	2712-17105	60	0000		
10532	3437N	2725-16443	10	0000		10727	4150N	2710-17001	70	0000	10915	3147N	2709-16573	60	0000		
10537	3855N	2726-16490	30	0000		10730	4855N	2712-17093	50	0000	10917	3146N	2727-16565	30	0000		
10538	3856N	2708-16494	50	0000		10730	4147N	2728-16593	10	0000	10920	4437N	2730-17101	30	0000		
10547	2856N	2706-16411	60	0000		10730	3730N	2727-16551	0	0000	10921	3607N	2710-17015	70	0000		
10547	2854N	2724-16403	0	0000		10731	3730N	2709-16555	90	0000	10923	4026N	2711-17062	20	0000		
10551	4606N	2710-16590	90	0000		10735	4852N	2730-17085	20	0000	10923	3602N	2728-17011	10	0000		
10552	4603N	2728-16582	0	0000		10750	4441N	2711-17051	0	0000	10924	4021N	2729-17054	0	0000		

KEYS: CLOUD COVER % 0 TO 100 % & CLOUD COVER,
IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

16133 FEB 17, 77

LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0052

PRINCIPAL PT. OF IMAGE	LAT	OBSERVATION ID	CC	QUALITY RBY MSS	PRINCIPAL PT. OF IMAGE	LAT	OBSERVATION ID	CC	QUALITY RBY MSS	PRINCIPAL PT. OF IMAGE	LAT	OBSERVATION ID	CC	QUALITY RBY MSS
10934	47294	2713-17154	70	0500	11122	38554	2730-17115	30	0000	11336	44384	2733-17271	10	0000
10935	47294	2731-17150	0	0000	11135	46044	2714-17215	10	0000	11336	31464	2730-17135	40	0000
10936	30214	2709-16575	50	0000	11137	46034	2732-17211	10	0000	11336	36064	2713-17190	40	0000
10942	30194	2727-16571	10	0000	11143	33114	2729-17075	30	0000	11342	40234	2714-17233	70	0000
10947	43154	2712-17111	90	0000	11145	41484	2713-17172	70	0000	11344	36044	2731-17182	80	0000
10948	34414	2710-17022	80	0000	11146	37324	2712-17125	90	0000	11345	40214	2732-17225	80	0000
10950	34364	2728-17014	30	0000	11148	41474	2731-17164	100	0000	11353	47294	2716-17325	80	0000
10952	43124	2730-17105	50	0000	11150	37294	2730-17121	70	0000	11355	47284	2734-17321	20	0000
10952	38594	2711-17065	20	0000	11151	48544	2715-17264	100	0000	11358	30224	2712-17150	10	0000
10955	38554	2729-17061	0	0000	11151	48534	2733-17260	60	0000	11401	30204	2730-17142	20	0000
11009	46044	2713-17160	40	0000	11203	44394	2714-17221	0	0000	11406	34414	2713-17192	80	0000
11009	46044	2731-17152	0	0000	11203	31454	2729-17081	60	0000	11409	43124	2733-17274	70	0000
11015	33154	2710-17024	80	0000	11211	44384	2732-17213	10	0000	11411	38564	2714-17235	90	0000
11017	33114	2728-17020	10	0000	11214	36064	2712-17132	80	0000	11411	34384	2731-17184	80	0000
11018	41494	2712-17114	90	0000	11216	40254	2713-17174	70	0000	11413	38554	2732-17231	80	0000
11020	37334	2711-17071	20	0000	11218	40224	2731-17170	100	0000	11428	46044	2716-17331	80	0000
11023	48544	2714-17210	30	0000	11218	36044	2730-17124	90	0000	11430	46034	2734-17323	10	0000
11023	41474	2730-17110	50	0000	11227	47284	2733-17262	50	0000	11433	33154	2713-17195	80	0000
11024	37294	2729-17063	40	0000	11233	30194	2729-17084	70	0000	11437	33124	2731-17191	50	0000
11025	48534	2732-17202	10	0000	11241	43134	2714-17224	10	0000	11440	41494	2715-17284	20	0000
11040	31494	2710-17031	60	0000	11241	34404	2712-17134	90	0000	11440	41464	2733-17280	20	0000
11042	46284	2713-17163	20	0000	11243	43124	2732-17220	40	0000	11440	37304	2716-17242	80	0000
11042	31454	2728-17023	0	0000	11244	34384	2730-17130	90	0000	11441	48544	2717-17380	30	0000
11043	44334	2731-17155	10	0000	11245	38594	2713-17181	70	0000	11442	37294	2732-17234	70	0000
11048	36074	2711-17074	20	0000	11248	38564	2731-17173	100	0000	11458	31474	2713-17201	80	0000
11049	40244	2712-17120	90	0000	11302	46044	2733-17265	20	0000	11502	44384	2716-17334	80	0000
11051	36044	2729-17070	50	0000	11303	46044	2715-17073	80	0000	11502	31454	2731-17193	20	0000
11053	40214	2730-17112	20	0000	11307	43144	2712-17141	60	0000	11504	44384	2734-17330	0	0000
11100	47294	2714-17212	10	0000	11310	33124	2730-17133	90	0000	11507	36044	2714-17244	90	0000
11102	47244	2732-17204	20	0000	11312	37314	2713-17183	20	0000	11509	36044	2732-17240	10	0000
11105	30234	2710-17033	90	0000	11314	41484	2714-17230	10	0000	11510	40234	2715-17291	10	0000
11107	30194	2728-17025	10	0000	11315	41464	2732-17222	40	0000	11510	40214	2733-17283	10	0000
11144	43134	2713-17165	60	0000	11317	48544	2716-17322	70	0000	11517	47294	2717-17383	70	0000
11116	43134	2731-17161	70	0000	11317	37304	2731-17175	90	0000	11534	43124	2716-17340	80	0000
11118	38584	2712-17123	90	0000	11318	48534	2734-17314	30	0000	11534	34394	2714-17251	30	0000
11118	34374	2729-17072	40	0000	11334	31484	2712-17143	20	0000	11534	43124	2734-17332	60	0000

KEYS: CLOUD COVER & 0 TO 100 & CLOUD COVER.

IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

18133 FEB 17, 77

LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0053

PRINCIPAL PT. OF IMAGE				OBSERVATION ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE				OBSERVATION ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE				OBSERVATION ID	CC	QUALITY
LONG	LAT						LONG	LAT						LONG	LAT					
11536w	3438N	2732-17243	10	GGGG	12345678		11802w	3604N	2734-17353	80	GGGG	12345678		12150w	4856N	2722-18063	90	GGGG	12345678	
11539w	3857N	2715-17293	10	GGGG			11812w	4730N	2719-17495	90	GGGG			12151w	4148N	2720-17571	50	GGGG		
11539w	3856N	2733-17285	10	GGGG			11827w	4314N	2718-17452	0	GGGG			12152w	3730N	2719-17525	70	GGGG		
11552w	4604N	2717-17385	70	GGGG			11827w	3439N	2716-17363	80	GGGG			12219w	3604N	2719-17531	70	GGGG		
11600w	3313N	2714-17253	30	GGGG			11828w	3438N	2734-17355	90	GGGG			12221w	4022N	2720-17574	50	GGGG		
11602w	3311N	2732-17245	20	GGGG			11830w	3857N	2717-17410	10	GGGG			12227w	4731N	2722-18070	50	GGGG		
11605w	4147N	2716-17343	10	GGGG			11847w	4605N	2719-17502	90	GGGG			12246w	3438N	2719-17534	50	GGGG		
11607w	4147N	2734-17335	10	GGGG			11853w	3312N	2716-17370	70	GGGG			12250w	3857N	2720-17580	50	GGGG		
11608w	3730N	2733-17292	10	GGGG			11854w	3312N	2734-17362	80	GGGG			12303w	4605N	2722-18072	40	GGGG		
11624w	4439N	2717-17392	10	GGGG			11858w	4148N	2718-17455	0	GGGG			12318w	3731N	2720-17583	60	GGGG		
11626w	3146N	2714-17260	60	GGGG			11859w	3731N	2717-17412	10	GGGG			12337w	4440N	2722-18075	70	GGGG		
11627w	3145N	2732-17292	40	GGGG			11921w	4439N	2719-17504	90	GGGG			12345w	3605N	2720-17585	70	GGGG		
11635w	4021N	2716-17345	0	GGGG			11926w	3605N	2717-17415	30	GGGG			12355w	4732N	2705-18132	70	GGGG		
11635w	3604N	2733-17294	0	GGGG			11928w	4023N	2718-17461	0	GGGG			12355w	4730N	2723-18124	90	GGGG		
11637w	4021N	2734-17341	10	GGGG			11938w	4730N	2720-17553	90	GGGG			12410w	4314N	2722-18081	90	GGGG		
11659w	4314N	2717-17394	10	GGGG			11954w	4313N	2719-17511	80	GGGG			12430w	4606N	2705-18135	50	GGGG		
11702w	3438N	2733-17301	10	GGGG			11953w	3438N	2717-17421	20	GGGG			12430w	4604N	2723-18130	90	GGGG		
11704w	3856N	2716-17352	0	GGGG			11957w	3857N	2718-17464	0	GGGG			12441w	4149N	2722-18084	90	GGGG		
11706w	3856N	2734-17344	10	GGGG			12013w	4605N	2720-17560	90	GGGG			12445w	4855N	2724-18180	80	GGGG		
11720w	4604N	2718-17462	20	G 3			12019w	3312N	2717-17424	80	GGGG			12504w	4441N	2705-18141	40	GGGG		
11728w	3311N	2733-17303	0	GGGG			12024w	4147N	2719-17513	90	GGGG			12504w	4439N	2723-18133	90	GGGG		
11730w	4148N	2717-17401	10	GGGG			12026w	3731N	2718-17470	10	GGGG			12512w	4023N	2722-18090	80	GGGG		
11733w	3730N	2716-17354	10	GGGG			12047w	4440N	2720-17562	80	GGGG			12523w	4729N	2724-18182	80	GGGG		
11734w	3730N	2734-17350	70	GGGG			12053w	3605N	2718-17473	10	GGGG			12534w	4315N	2705-18144	60	GGGG		
11735w	4855N	2719-17493	40	GGGG			12054w	4022N	2719-17520	40	GGGG			12541w	3856N	2722-18093	50	GGGG		
11754w	4439N	2718-17450	10	GGGG			12119w	4314N	2720-17565	60	GGGG			12558w	4604N	2724-18185	70	GGGG		
11800w	3604N	2716-17361	60	GGGG			12120w	3439N	2718-17475	10	GGGG			12607w	4150N	2705-18150	60	GGGG		
11801w	4022N	2717-17403	0	GGGG			12123w	3856N	2719-17522	30	GGGG									

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=DATA NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

18138 FEB 17, 77

LANDSAT-2
COORDINATE LISTING
FOR ALASKA
FROM 01/01/77 TO 01/31/77

PAGE 0054

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY REV MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY REV MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY REV MSS
17828E 5308N	2729-22114	40	0303	17043E 5433N	2722-21312	60	0303	17543E 5311N	2707-21494	100	0303
12945E 5575N	2730-18500	80	0303	17046E 5144N	2721-21263	90	0303	17548E 5307N	2725-21490	80	0303
13034E 5431N	2730-18503	80	0303	17128E 5308N	2722-21315	60	0303	17626E 5146N	2707-21500	100	0303
13405E 5556N	2733-19071	70	0303	17210E 5432N	2723-21371	50	0303	17630E 5143N	2725-21492	80	0303
13453E 5432N	2733-19073	80	0303	17211E 5143N	2722-21321	60	0303	17711E 5310N	2708-21552	70	0303
16749E 5436N	2720-21200	40	0303	17255E 5308N	2723-21373	60	0303	17719E 5310N	2706-21544	60	0303
16834E 5311N	2720-21202	40	0303	17337E 5432N	2724-21425	40	0303	17753E 5146N	2708-21554	70	0303
16917E 5146N	2720-21205	20	0303	17338E 5144N	2723-21380	70	0303	17754E 5145N	2726-21550	60	0303
16918E 5433N	2721-21254	50	0303	17422E 5307N	2724-21431	30	0303	17921E 5145N	2709-22013	40	0303
17003E 5308N	2721-21261	70	0303	17503E 5142N	2724-21434	60	0303	17921E 5145N	2727-22004	90	0303

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

APPENDIX

EXPLANATION OF OBSERVATION ID

The day after the 999th day of operation of LANDSAT 1, the first digit of the observation ID becomes a 5, signifying that the 1000th day of operation has been reached. The next three digits, which correspond to the count of days since launch, return to 000. On each day thereafter the count, as before, increases by one. The ID format for LANDSAT 1 is illustrated below:

1000 - hhmmss
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1998 - hhmmss
1999 - hhmmss April 18, 1975
5000 - hhmmss April 19, 1975
5001 - hhmmss (Days since launch equal 1001)
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The same general identification procedure will be used for LANDSAT 2 imagery. The day after the 999th day of operation of LANDSAT 2, the first digit of the observation ID becomes a 6, and the next three digits return to 000 as explained above. An illustration follows:

2000 - hhmmss
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2999 - hhmmss
6000 - hhmmss
6001 - hhmmss (Days since launch equal 1001)
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Key: hh = hours
 mm = minutes
 s = tens of seconds